Start	536	End	1846
GI	none	Score	77
Exons	536..595, 538..714, 542..625, 711..848, 712..849, 1784..1846		

Seq. No.	56529	Seq. ID	OJ000313_05.0419.C4
Gene No.	118276	Strand	-
Start	192	End	2162
Name	OJ000313_05.0419.C4.o2.gp	Method	AAT/GAP
Start	1783	End	2162
GI	20948_1.R1084	Score	646
Exons	1783..2162		
GI Descrip.	'4512263/dbj|BAA75232.1| 3.0e-47 (AB018526) H+/Ca2+ exchanger 2 [Ipomoea nil]'		

Seq. No.	56530	Seq. ID	OJ000313_05.0419.C5
Gene No.	118277	Strand	+
Start	750	End	890
Name	OJ000313_05.0419.C5.o1.gs	Method	GENSCAN
Start	750	End	890
GI	none	Score	.62
Exons	750..890		

Seq. No.	56531	Seq. ID	OJ000313_05.0419.C6
Gene No.	118278	Strand	+
Start	2378	End	4807
Name	OJ000313_05.0419.C6.o1.np	Method	AAT/NAP
Start	2378	End	4798
GI	1346396	Score	1637
Exons	2378..4798		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi|100913|pir||S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase [Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea mays]		

Seq. No.	56531	Seq. ID	OJ000313_05.0419.C6
Gene No.	118278	Strand	+
Start	2378	End	4807
Name	OJ000313_05.0419.C6.o1.gs	Method	GENSCAN
Start	2381	End	4807
GI	none	Score	.74
Exons	2381..4807		

Seq. No.	56531	Seq. ID	OJ000313_05.0419.C6
Gene No.	118278	Strand	+
Start	2378	End	4807
Name	OJ000313_05.0419.C6.o2.ts	Method	TBLASTX:Soybean
Start	2484	End	2800
GI	none	Score	47
Exons	2484..2507, 2486..2518, 2516..2608, 2597..2800, 2614..2799		

Seq. No.	56531	Seq. ID	OJ000313_05.0419.C6
Gene No.	118278	Strand	+
Start	2378	End	4807
Name	OJ000313_05.0419.C6.o2.tm	Method	TBLASTX:Maize

Start	2738	End	3058
GI	none	Score	49
Exons	2738..2806, 2809..2892, 2816..2893, 2918..3058, 2971..3054		

Seq. No.	56531	Seq. ID	OJ000313_05.0419.C6
Gene No.	118278	Strand	+
Start	2378	End	4807
Name	OJ000313_05.0419.C6.o1.tc	Method	TBLASTX:Cress
Start	2750	End	4572
GI	none	Score	110
Exons	2750..2950, 2767..2871, 3143..3349, 3992..4171, 3994..4155, 4205..4414, 4228..4404, 4406..4447, 4451..4534, 4453..4572		

Seq. No.	56531	Seq. ID	OJ000313_05.0419.C6
Gene No.	118278	Strand	+
Start	2378	End	4807
Name	OJ000313_05.0419.C6.o1.tm	Method	TBLASTX:Maize
Start	3886	End	4330
GI	none	Score	85
Exons	3886..3999, 3887..4000, 3992..4330, 3994..4329, 4214..4330		

Seq. No.	56531	Seq. ID	OJ000313_05.0419.C6
Gene No.	118278	Strand	+
Start	2378	End	4807
Name	OJ000313_05.0419.C6.o1.ts	Method	TBLASTX:Soybean
Start	3910	End	4360
GI	none	Score	255
Exons	3910..4173, 3911..4171, 4208..4360, 4222..4359, 4262..4360		

Seq. No.	56531	Seq. ID	OJ000313_05.0419.C6
Gene No.	118278	Strand	+
Start	2378	End	4807
Name	OJ000313_05.0419.C6.o1.tw	Method	TBLASTX:Wheat
Start	4043	End	4447
GI	none	Score	174
Exons	4043..4180, 4045..4179, 4199..4384, 4214..4372, 4228..4398, 4391..4447, 4408..4446		

Seq. No.	56532	Seq. ID	OJ000313_05.0419.C7
Gene No.	118279	Strand	-
Start	1217	End	1569
Name	OJ000313_05.0419.C7.o1.gs	Method	GENSCAN
Start	1217	End	1569
GI	none	Score	.58
Exons	1217..1288, 1531..1569		

Seq. No.	56532	Seq. ID	OJ000313_05.0419.C7
Gene No.	118280	Strand	-
Start	1534	End	1605
Name	OJ000313_05.0419.C7.o1.gp	Method	AAT/GAP
Start	1534	End	1605
GI	876_1.R1084	Score	83
Exons	1534..1605		
GI Descrip.	'3420299 0.0e+00 (AF072849) jab1 protein [Oryza sativa subsp. indica]'		

Seq. No.	56533	Seq. ID	OJ000313_05.0419.C11

Gene No.	118281	Strand	+
Start	779	End	1054
Name	OJ000313_05.0419.C11.o2.gp	Method	AAT/GAP
Start	779	End	1054
GI	none	Score	537
Exons	779..1054		

Seq. No.	56533	Seq. ID	OJ000313_05.0419.C11
Gene No.	118282	Strand	-
Start	11	End	189
Name	OJ000313_05.0419.C11.o1.gs	Method	GENSCAN
Start	11	End	189
GI	none	Score	.53
Exons	11..189		

Seq. No.	56533	Seq. ID	OJ000313_05.0419.C11
Gene No.	118283	Strand	-
Start	339	End	598
Name	OJ000313_05.0419.C11.o1.gp	Method	AAT/GAP
Start	339	End	598
GI	LIB3431-010-P1-N1-F11	Score	457
Exons	339..598		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	56533	Seq. ID	OJ000313_05.0419.C11
Gene No.	118284	Strand	-
Start	779	End	1054
Name	OJ000313_05.0419.C11.o3.gp	Method	AAT/GAP
Start	779	End	1054
GI	none	Score	526
Exons	779..1054		

Seq. No.	56534	Seq. ID	OJ000313_05.0419.C12
Gene No.	118285	Strand	-
Start	1	End	255
Name	OJ000313_05.0419.C12.o1.gp	Method	AAT/GAP
Start	1	End	255
GI	701129	Score	286
Exons	1..59, 151..255		

Seq. No.	56535	Seq. ID	OJ000313_05.0419.C13
Gene No.	118286	Strand	+
Start	84	End	241
Name	OJ000313_05.0419.C13.o1.gs	Method	GENSCAN
Start	84	End	241
GI	none	Score	.58
Exons	84..241		

Seq. No.	56535	Seq. ID	OJ000313_05.0419.C13
Gene No.	118287	Strand	-
Start	764	End	860
Name	OJ000313_05.0419.C13.o2.gs	Method	GENSCAN
Start	764	End	860
GI	none	Score	.52
Exons	764..860		

Seq. No.	56536	Seq. ID	OJ000313_05.0419.C14
Gene No.	118288	Strand	+
Start	412	End	3451
Name	OJ000313_05.0419.C14.o1.np	Method	AAT/NAP
Start	412	End	3386
GI	7489698	Score	573
Exons	412..521, 2387..3386		
GI Descrip.	receptor kinase homolog LRK10 - wheat gi|1680686|gb|AAC49629.1| (U51330) rust resistance kinase Lr10 [Triticum aestivum]		

Seq. No.	56536	Seq. ID	OJ000313_05.0419.C14
Gene No.	118288	Strand	+
Start	412	End	3451
Name	OJ000313_05.0419.C14.o1.gs	Method	GENSCAN
Start	2072	End	3451
GI	none	Score	.51
Exons	2072..2108, 2197..3451		

Seq. No.	56536	Seq. ID	OJ000313_05.0419.C14
Gene No.	118288	Strand	+
Start	412	End	3451
Name	OJ000313_05.0419.C14.o1.gp	Method	AAT/GAP
Start	2177	End	2480
GI	426545	Score	504
Exons	2177..2480		

Seq. No.	56536	Seq. ID	OJ000313_05.0419.C14
Gene No.	118288	Strand	+
Start	412	End	3451
Name	OJ000313_05.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	2424	End	2996
GI	none	Score	78
Exons	2424..2531, 2570..2713, 2583..2732, 2762..2899, 2763..2996, 2963..2992		

Seq. No.	56536	Seq. ID	OJ000313_05.0419.C14
Gene No.	118288	Strand	+
Start	412	End	3451
Name	OJ000313_05.0419.C14.o1.tc	Method	TBLASTX:Cress
Start	2430	End	3326
GI	none	Score	84
Exons	2430..2516, 2583..2723, 2754..2999, 2756..2872, 2966..2992, 3012..3074, 3249..3326		

Seq. No.	56536	Seq. ID	OJ000313_05.0419.C14
Gene No.	118288	Strand	+
Start	412	End	3451
Name	OJ000313_05.0419.C14.o1.ts	Method	TBLASTX:Soybean
Start	2430	End	3326
GI	none	Score	130
Exons	2430..2582, 2477..2584, 2583..2750, 2763..2999, 2768..2998, 3012..3086, 3249..3326		

Seq. No.	56536	Seq. ID	OJ000313_05.0419.C14
Gene No.	118288	Strand	+
Start	412	End	3451
Name	OJ000313_05.0419.C14.o1.tw	Method	TBLASTX:Wheat

Start	2594	End	2993
GI	none	Score	120
Exons	2594..2725, 2595..2726, 2757..2993, 2780..2875		

Seq. No.	56536	Seq. ID	OJ000313_05.0419.C14
Gene No.	118288	Strand	+
Start	412	End	3451
Name	OJ000313_05.0419.C14.o2.tm	Method	TBLASTX:Maize
Start	2997	End	3370
GI	none	Score	155
Exons	2997..3089, 3002..3034, 3120..3170, 3122..3157, 3243..3368, 3245..3370		

Seq. No.	56537	Seq. ID	OJ000313_05.0419.C15
Gene No.	118289	Strand	-
Start	459	End	2682
Name	OJ000313_05.0419.C15.o1.gs	Method	GENSCAN
Start	459	End	1848
GI	none	Score	.77
Exons	459..1729, 1827..1848		

Seq. No.	56537	Seq. ID	OJ000313_05.0419.C15
Gene No.	118289	Strand	-
Start	459	End	2682
Name	OJ000313_05.0419.C15.o1.np	Method	AAT/NAP
Start	571	End	2682
GI	7489594	Score	585
Exons	571..1554, 2420..2682		
GI Descrip.	S-receptor kinase homolog - rice (fragment) gi|2832304|gb|AAC01746.1| (AF044489) receptor-like protein kinase [Oryza sativa]		

Seq. No.	56537	Seq. ID	OJ000313_05.0419.C15
Gene No.	118289	Strand	-
Start	459	End	2682
Name	OJ000313_05.0419.C15.o1.gp	Method	AAT/GAP
Start	839	End	1258
GI	none	Score	840
Exons	839..1258		

Seq. No.	56537	Seq. ID	OJ000313_05.0419.C15
Gene No.	118289	Strand	-
Start	459	End	2682
Name	OJ000313_05.0419.C15.o2.gp	Method	AAT/GAP
Start	1408	End	1898
GI	none	Score	725
Exons	1408..1729, 1827..1898		

Seq. No.	56537	Seq. ID	OJ000313_05.0419.C15
Gene No.	118290	Strand	-
Start	2643	End	2980
Name	OJ000313_05.0419.C15.o2.tm	Method	TBLASTX:Maize
Start	594	End	938
GI	none	Score	206
Exons	594..830, 607..831, 846..938, 886..930		

Seq. No.	56537	Seq. ID	OJ000313_05.0419.C15

Gene No.	118290	Strand	-
Start	2643	End	2980
Name	OJ000313_05.0419.C15.o1.tc	Method	TBLASTX:Cress
Start	630	End	1505
GI	none	Score	68
Exons	630..752, 637..711, 735..821, 861..920, 936..1181, 943..1173, 1212..1352, 1371..1406, 1413..1505		

Seq. No.	56537	Seq. ID	OJ000313_05.0419.C15
Gene No.	118290	Strand	-
Start	2643	End	2980
Name	OJ000313_05.0419.C15.o1.ts	Method	TBLASTX:Soybean
Start	630	End	1547
GI	none	Score	70
Exons	630..743, 637..744, 789..920, 936..1199, 937..1146, 1194..1391, 1369..1455, 1371..1547		

Seq. No.	56537	Seq. ID	OJ000313_05.0419.C15
Gene No.	118290	Strand	-
Start	2643	End	2980
Name	OJ000313_05.0419.C15.o1.tm	Method	TBLASTX:Maize
Start	939	End	1562
GI	none	Score	165
Exons	939..1184, 943..1173, 1209..1352, 1243..1353, 1404..1562		

Seq. No.	56537	Seq. ID	OJ000313_05.0419.C15
Gene No.	118290	Strand	-
Start	2643	End	2980
Name	OJ000313_05.0419.C15.o1.tw	Method	TBLASTX:Wheat
Start	942	End	1340
GI	none	Score	65
Exons	942..1178, 1003..1155, 1206..1340		

Seq. No.	56537	Seq. ID	OJ000313_05.0419.C15
Gene No.	118290	Strand	-
Start	2643	End	2980
Name	OJ000313_05.0419.C15.o2.tw	Method	TBLASTX:Wheat
Start	1413	End	1730
GI	none	Score	238
Exons	1413..1730, 1413..1637, 1663..1728		

Seq. No.	56537	Seq. ID	OJ000313_05.0419.C15
Gene No.	118290	Strand	-
Start	2643	End	2980
Name	OJ000313_05.0419.C15.o3.gp	Method	AAT/GAP
Start	2643	End	2980
GI	none	Score	506
Exons	2643..2980		

Seq. No.	56538	Seq. ID	OJ000313_05.0419.C20
Gene No.	118291	Strand	+
Start	1063	End	1253
Name	OJ000313_05.0419.C20.o1.gp	Method	AAT/GAP
Start	1063	End	1253
GI	427532	Score	354
Exons	1063..1253		

Seq. No.	56538	Seq. ID	OJ000313_05.0419.C20
Gene No.	118291	Strand	+
Start	1063	End	1253
Name	OJ000313_05.0419.C20.o1.gs	Method	GENSCAN
Start	1079	End	1251
GI	none	Score	.99
Exons	1079..1251		

Seq. No.	56539	Seq. ID	OJ000313_05.0419.C22
Gene No.	118292	Strand	+
Start	750	End	1320
Name	OJ000313_05.0419.C22.o1.gs	Method	GENSCAN
Start	750	End	1320
GI	none	Score	.8
Exons	750..850, 1046..1320		

Seq. No.	56539	Seq. ID	OJ000313_05.0419.C22
Gene No.	118292	Strand	+
Start	750	End	1320
Name	OJ000313_05.0419.C22.o1.gp	Method	AAT/GAP
Start	976	End	1320
GI	33262_1.R1084	Score	642
Exons	976..1320		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	56540	Seq. ID	OJ000313_05.0419.C23
Gene No.	118293	Strand	+
Start	434	End	630
Name	OJ000313_05.0419.C23.o1.gs	Method	GENSCAN
Start	434	End	630
GI	none	Score	.43
Exons	434..630		

Seq. No.	56541	Seq. ID	OJ000313_05.0419.C24
Gene No.	118294	Strand	+
Start	218	End	1434
Name	OJ000313_05.0419.C24.o1.np	Method	AAT/NAP
Start	218	End	1434
GI	6498458	Score	20
Exons	218..482, 616..723, 936..1013, 1404..1434		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	56542	Seq. ID	OJ000313_05.0419.C25
Gene No.	118295	Strand	+
Start	1	End	4655
Name	OJ000313_05.0419.C25.o1.np	Method	AAT/NAP
Start	1	End	3533
GI	4680186	Score	389
Exons	1..29, 871..1022, 1629..1789, 3506..3533		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	56542	Seq. ID	OJ000313_05.0419.C25
Gene No.	118295	Strand	+
Start	1	End	4655
Name	OJ000313_05.0419.C25.o1.gs	Method	GENSCAN
Start	859	End	1021

GI	none	Score	.92
Exons	859..1021		

Seq. No.	56542	Seq. ID	OJ000313_05.0419.C25
Gene No.	118295	Strand	+
Start	1	End	4655
Name	OJ000313_05.0419.C25.o2.np	Method	AAT/NAP
Start	2924	End	4655
GI	6907086	Score	534
Exons	2924..3711, 3770..3926, 4093..4474, 4572..4655		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	56542	Seq. ID	OJ000313_05.0419.C25
Gene No.	118296	Strand	-
Start	1283	End	2018
Name	OJ000313_05.0419.C25.o2.gs	Method	GENSCAN
Start	1283	End	2018
GI	none	Score	.57
Exons	1283..1417, 1645..1781, 1919..2018		

Seq. No.	56542	Seq. ID	OJ000313_05.0419.C25
Gene No.	118297	Strand	-
Start	3066	End	4344
Name	OJ000313_05.0419.C25.o3.gs	Method	GENSCAN
Start	3066	End	4344
GI	none	Score	.4
Exons	3066..3376, 3412..3639, 4029..4344		

Seq. No.	56543	Seq. ID	OJ000313_05.0419.C27
Gene No.	118298	Strand	+
Start	2852	End	3216
Name	OJ000313_05.0419.C27.o2.gs	Method	GENSCAN
Start	2852	End	3216
GI	none	Score	.4
Exons	2852..3073, 3187..3216		

Seq. No.	56544	Seq. ID	OJ000313_05.0419.C40
Gene No.	118299	Strand	+
Start	1	End	294
Name	OJ000313_05.0419.C40.o1.np	Method	AAT/NAP
Start	1	End	294
GI	4539662	Score	350
Exons	1..294		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	56544	Seq. ID	OJ000313_05.0419.C40
Gene No.	118300	Strand	+
Start	442	End	705
Name	OJ000313_05.0419.C40.o1.gs	Method	GENSCAN
Start	442	End	705
GI	none	Score	.75
Exons	442..464, 678..705		

Seq. No.	56544	Seq. ID	OJ000313_05.0419.C40
Gene No.	118301	Strand	-
Start	1419	End	1876
Name	OJ000313_05.0419.C40.o1.ts	Method	TBLASTX:Soybean

Start	4	End	270
GI	none	Score	211
Exons	4..270		

Seq. No.	56544	Seq. ID	OJ000313_05.0419.C40
Gene No.	118301	Strand	-
Start	1419	End	1876
Name	OJ000313_05.0419.C40.o1.tm	Method	TBLASTX:Maize
Start	7	End	237
GI	none	Score	218
Exons	7..237, 72..170		

Seq. No.	56544	Seq. ID	OJ000313_05.0419.C40
Gene No.	118301	Strand	-
Start	1419	End	1876
Name	OJ000313_05.0419.C40.o1.gp	Method	AAT/GAP
Start	1244	End	1621
GI	38597_1.R1084	Score	481
Exons	1244..1621		
GI Descrip.	'4454038/emb|CAA23035.1| 4.0e-29 (AL035394) putative disease resistance response protein [Arabidopsis thaliana]'		

Seq. No.	56544	Seq. ID	OJ000313_05.0419.C40
Gene No.	118301	Strand	-
Start	1419	End	1876
Name	OJ000313_05.0419.C40.o2.gs	Method	GENSCAN
Start	1419	End	1874
GI	none	Score	.99
Exons	1419..1874		

Seq. No.	56544	Seq. ID	OJ000313_05.0419.C40
Gene No.	118301	Strand	-
Start	1419	End	1876
Name	OJ000313_05.0419.C40.o2.gp	Method	AAT/GAP
Start	1497	End	1876
GI	none	Score	713
Exons	1497..1876		

Seq. No.	56545	Seq. ID	OJ000313_05.0419.C41
Gene No.	118302	Strand	+
Start	43	End	1652
Name	OJ000313_05.0419.C41.o1.gs	Method	GENSCAN
Start	43	End	1652
GI	none	Score	.51
Exons	43..134, 481..751, 1581..1652		

Seq. No.	56546	Seq. ID	OJ000313_05.0419.C42
Gene No.	118303	Strand	+
Start	471	End	836
Name	OJ000313_05.0419.C42.o1.gp	Method	AAT/GAP
Start	471	End	836
GI	3255_1.R1084	Score	637
Exons	471..836		
GI Descrip.	'4206065/gb|AF064853|AF064853 2.0e-09 Homo sapiens map 7qter; 41.64cR from WI-8540 repeat region, complete sequence'		

Seq. No.	56546	Seq. ID	OJ000313_05.0419.C42

Gene No.	118304	Strand	-
Start	759	End	1151
Name	OJ000313_05.0419.C42.o1.gs	Method	GENSCAN
Start	759	End	1151
GI	none	Score	.7
Exons	759..831, 1113..1151		

Seq. No.	56546	Seq. ID	OJ000313_05.0419.C42
Gene No.	118305	Strand	-
Start	1111	End	1735
Name	OJ000313_05.0419.C42.o1.np	Method	AAT/NAP
Start	1111	End	1735
GI	3953467	Score	106
Exons	1111..1237, 1715..1735		
GI Descrip.	(AC002328) F20N2.12 [Arabidopsis thaliana]		

Seq. No.	56547	Seq. ID	OJ000313_05.0419.C45
Gene No.	118306	Strand	+
Start	1	End	870
Name	OJ000313_05.0419.C45.o1.np	Method	AAT/NAP
Start	1	End	870
GI	6069646	Score	393
Exons	1..32, 541..870		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	56548	Seq. ID	OJ000313_05.0419.C46
Gene No.	118307	Strand	+
Start	97	End	324
Name	OJ000313_05.0419.C46.o1.gs	Method	GENSCAN
Start	97	End	324
GI	none	Score	.44
Exons	97..324		

Seq. No.	56548	Seq. ID	OJ000313_05.0419.C46
Gene No.	118308	Strand	-
Start	1	End	184
Name	OJ000313_05.0419.C46.o1.gp	Method	AAT/GAP
Start	1	End	184
GI	2431493	Score	360
Exons	1..184		

Seq. No.	56549	Seq. ID	OJ000313_05.0419.C47
Gene No.	118309	Strand	+
Start	1	End	496
Name	OJ000313_05.0419.C47.o1.np	Method	AAT/NAP
Start	1	End	496
GI	7248395	Score	359
Exons	1..496		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	56549	Seq. ID	OJ000313_05.0419.C47
Gene No.	118310	Strand	-
Start	554	End	706

Name	OJ000313_05.0419.C47.o2.np	Method	AAT/NAP
Start	554	End	706
GI	7106513	Score	235
Exons	554..706		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	56550	Seq. ID	OJ000313_05.0419.C48
Gene No.	118311	Strand	+
Start	121	End	2194
Name	OJ000313_05.0419.C48.o2.np	Method	AAT/NAP
Start	121	End	2194
GI	5777623	Score	157
Exons	121..149, 2048..2194		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	56550	Seq. ID	OJ000313_05.0419.C48
Gene No.	118311	Strand	+
Start	121	End	2194
Name	OJ000313_05.0419.C48.o1.np	Method	AAT/NAP
Start	351	End	415
GI	7106512	Score	77
Exons	351..415		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	56550	Seq. ID	OJ000313_05.0419.C48
Gene No.	118312	Strand	-
Start	113	End	218
Name	OJ000313_05.0419.C48.o1.gp	Method	AAT/GAP
Start	113	End	218
GI	5816518	Score	159
Exons	113..218		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	56550	Seq. ID	OJ000313_05.0419.C48
Gene No.	118313	Strand	-
Start	227	End	438
Name	OJ000313_05.0419.C48.o2.gp	Method	AAT/GAP
Start	227	End	438
GI	3761181	Score	328
Exons	227..438		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	56551	Seq. ID	OJ000313_05.0419.C49
Gene No.	118314	Strand	+
Start	1	End	2054
Name	OJ000313_05.0419.C49.o2.np	Method	AAT/NAP
Start	1	End	2054
GI	5777623	Score	771
Exons	1..312, 493..999, 1811..2054		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	56551	Seq. ID	OJ000313_05.0419.C49
Gene No.	118315	Strand	-
Start	1	End	3114

Name	OJ000313_05.0419.C49.o1.np	Method	AAT/NAP
Start	1	End	1250
GI	6907086	Score	1175
Exons	1..429, 490..1250		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	56551	Seq. ID	OJ000313_05.0419.C49
Gene No.	118315	Strand	-
Start	1	End	3114
Name	OJ000313_05.0419.C49.o3.np	Method	AAT/NAP
Start	423	End	3114
GI	4680186	Score	167
Exons	423..447, 2202..2376, 2877..3114		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	56551	Seq. ID	OJ000313_05.0419.C49
Gene No.	118315	Strand	-
Start	1	End	3114
Name	OJ000313_05.0419.C49.o1.gs	Method	GENSCAN
Start	515	End	2066
GI	none	Score	.8
Exons	515..993, 1985..2066		

Seq. No.	56552	Seq. ID	OJ000313_05.0419.C50
Gene No.	118316	Strand	-
Start	401	End	1109
Name	OJ000313_05.0419.C50.o1.gs	Method	GENSCAN
Start	401	End	1109
GI	none	Score	.88
Exons	401..738, 845..1109		

Seq. No.	56553	Seq. ID	OJ000313_05.0419.C51
Gene No.	118317	Strand	-
Start	12	End	243
Name	OJ000313_05.0419.C51.o1.gs	Method	GENSCAN
Start	12	End	243
GI	none	Score	.69
Exons	12..243		

Seq. No.	56554	Seq. ID	OJ000313_05.0419.C52
Gene No.	118318	Strand	-
Start	1	End	4702
Name	OJ000313_05.0419.C52.o1.np	Method	AAT/NAP
Start	1	End	4702
GI	7339707	Score	107
Exons	1..69, 1518..1613, 4466..4606, 4663..4702		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	56555	Seq. ID	OJ000313_05.0419.C54
Gene No.	118319	Strand	+
Start	1	End	1100
Name	OJ000313_05.0419.C54.o1.np	Method	AAT/NAP
Start	1	End	1100
GI	3953467	Score	77
Exons	1..68, 823..931, 1037..1100		
GI Descrip.	(AC002328) F20N2.12 [Arabidopsis thaliana]		

Seq. No.	56555	Seq. ID	OJ000313_05.0419.C54
Gene No.	118319	Strand	+
Start	1	End	1100
Name	OJ000313_05.0419.C54.o1.tm	Method	TBLASTX:Maize
Start	672	End	927
GI	none	Score	118
Exons	672..914, 705..905, 709..927		

Seq. No.	56556	Seq. ID	OJ000313_05.0419.C56
Gene No.	118320	Strand	-
Start	514	End	598
Name	OJ000313_05.0419.C56.o1.gp	Method	AAT/GAP
Start	514	End	598
GI	3760180	Score	143
Exons	514..598		
GI Descrip.	4836931/gb|AAD30633.1|AC006085_6 4.0e-53 (AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56556	Seq. ID	OJ000313_05.0419.C56
Gene No.	118321	Strand	-
Start	522	End	598
Name	OJ000313_05.0419.C56.o1.np	Method	AAT/NAP
Start	522	End	598
GI	2129537	Score	111
Exons	522..598		
GI Descrip.	AP2 domain-containing protein - Arabidopsis thaliana gi|1209099 (U40256) AINTEGUMENTA [Arabidopsis thaliana] gi|1244708 (U41339) ANT [Arabidopsis thaliana] gi|4490720|emb|CAB38923.1| (AL035709) ovule development protein aintegumenta (ANT) [Arabidopsis thaliana]		

Seq. No.	56556	Seq. ID	OJ000313_05.0419.C56
Gene No.	118322	Strand	-
Start	522	End	587
Name	OJ000313_05.0419.C56.o1.gs	Method	GENSCAN
Start	522	End	587
GI	none	Score	.69
Exons	522..587		

Seq. No.	56557	Seq. ID	OJ000313_05.0419.C57
Gene No.	118323	Strand	+
Start	3672	End	4921
Name	OJ000313_05.0419.C57.o2.gs	Method	GENSCAN
Start	3672	End	4921
GI	none	Score	.62
Exons	3672..3731, 4180..4280, 4391..4632, 4797..4921		

Seq. No.	56557	Seq. ID	OJ000313_05.0419.C57
Gene No.	118324	Strand	-
Start	1	End	2657
Name	OJ000313_05.0419.C57.o1.np	Method	AAT/NAP
Start	1	End	2657
GI	4836931	Score	316
Exons	1..137, 434..516, 795..974, 2603..2657		
GI Descrip.	(AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56557	Seq. ID	OJ000313_05.0419.C57

Gene No.	118324	Strand	-
Start	1	End	2657
Name	OJ000313_05.0419.C57.o1.gp	Method	AAT/GAP
Start	47	End	148
GI	3760180	Score	176
Exons	47..148		
GI Descrip.	4836931/gb|AAD30633.1|AC006085_6 4.0e-53 (AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56557	Seq. ID	OJ000313_05.0419.C57
Gene No.	118324	Strand	-
Start	1	End	2657
Name	OJ000313_05.0419.C57.o1.gs	Method	GENSCAN
Start	49	End	1180
GI	none	Score	.77
Exons	49..137, 434..516, 795..1180		

Seq. No.	56557	Seq. ID	OJ000313_05.0419.C57
Gene No.	118324	Strand	-
Start	1	End	2657
Name	OJ000313_05.0419.C57.o2.gp	Method	AAT/GAP
Start	1055	End	1434
GI	426244	Score	461
Exons	1055..1185, 1301..1434		

Seq. No.	56557	Seq. ID	OJ000313_05.0419.C57
Gene No.	118325	Strand	-
Start	5940	End	6444
Name	OJ000313_05.0419.C57.o3.gs	Method	GENSCAN
Start	5940	End	6444
GI	none	Score	.59
Exons	5940..6047, 6408..6444		

Seq. No.	56558	Seq. ID	OJ000313_05.0419.C62
Gene No.	118326	Strand	-
Start	43	End	673
Name	OJ000313_05.0419.C62.o1.gs	Method	GENSCAN
Start	43	End	673
GI	none	Score	.51
Exons	43..150, 581..673		

Seq. No.	56559	Seq. ID	OJ000313_05.0419.C63
Gene No.	118327	Strand	+
Start	300	End	2413
Name	OJ000313_05.0419.C63.o1.gs	Method	GENSCAN
Start	300	End	2413
GI	none	Score	.65
Exons	300..383, 473..657, 712..921, 1809..2003, 2083..2230, 2334..2413		

Seq. No.	56559	Seq. ID	OJ000313_05.0419.C63
Gene No.	118327	Strand	+
Start	300	End	2413
Name	OJ000313_05.0419.C63.o1.gp	Method	AAT/GAP
Start	457	End	2413
GI	876_1.R1084	Score	1850
Exons	457..921, 1723..2003, 2083..2230, 2334..2413		
GI Descrip.	'3420299 0.0e+00 (AF072849) jab1 protein [Oryza sativa subsp.		

indica]'

Seq. No.	56559	Seq. ID	OJ000313_05.0419.C63
Gene No.	118327	Strand	+
Start	300	End	2413
Name	OJ000313_05.0419.C63.o1.tm	Method	TBLASTX:Maize
Start	525	End	2233
GI	none	Score	565
Exons	525..590, 529..921, 669..920, 855..923, 1720..1782, 1721..1789, 1721..1789, 1722..1793, 1722..1793, 1723..1827, 1796..1999, 1797..2030, 2041..2229, 2072..2230, 2083..2232, 2084..2233		

Seq. No.	56559	Seq. ID	OJ000313_05.0419.C63
Gene No.	118327	Strand	+
Start	300	End	2413
Name	OJ000313_05.0419.C63.o1.np	Method	AAT/NAP
Start	529	End	2413
GI	7489491	Score	1452
Exons	529..921, 1723..2003, 2083..2230, 2334..2413		
GI Descrip.	JUN-activation-domain-binding protein homolog - rice gi|3420299|gb|AAC33765.1| (AF072849) jab1 protein [Oryza sativa subsp. indica]		

Seq. No.	56559	Seq. ID	OJ000313_05.0419.C63
Gene No.	118327	Strand	+
Start	300	End	2413
Name	OJ000313_05.0419.C63.o1.ts	Method	TBLASTX:Soybean
Start	538	End	1940
GI	none	Score	67
Exons	538..588, 540..587, 625..921, 672..920, 855..929, 1720..1782, 1722..1787, 1722..1793, 1723..1830, 1796..1912, 1797..1913, 1914..1940		

Seq. No.	56559	Seq. ID	OJ000313_05.0419.C63
Gene No.	118327	Strand	+
Start	300	End	2413
Name	OJ000313_05.0419.C63.o1.tc	Method	TBLASTX:Cress
Start	540	End	2410
GI	none	Score	473
Exons	540..587, 541..918, 669..917, 1722..1796, 1722..1793, 1723..1830, 1796..2002, 1797..2030, 2041..2238, 2079..2240, 2333..2410		

Seq. No.	56560	Seq. ID	OJ000313_05.0419.C64
Gene No.	118328	Strand	+
Start	1	End	798
Name	OJ000313_05.0419.C64.o1.np	Method	AAT/NAP
Start	1	End	798
GI	5091513	Score	828
Exons	1..68, 197..798		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	56560	Seq. ID	OJ000313_05.0419.C64
Gene No.	118328	Strand	+
Start	1	End	798
Name	OJ000313_05.0419.C64.o1.gs	Method	GENSCAN
Start	213	End	786

GI	none	Score	.61
Exons	213..786		

Seq. No.	56561	Seq. ID	OJ000313_05.0419.C65
Gene No.	118329	Strand	+
Start	1	End	1389
Name	OJ000313_05.0419.C65.o1.np	Method	AAT/NAP
Start	1	End	1389
GI	7106512	Score	950
Exons	1..391, 852..1389		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	56562	Seq. ID	OJ000313_05.0419.C66
Gene No.	118330	Strand	-
Start	1	End	984
Name	OJ000313_05.0419.C66.o1.np	Method	AAT/NAP
Start	1	End	984
GI	7106512	Score	1231
Exons	1..984		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	56562	Seq. ID	OJ000313_05.0419.C66
Gene No.	118330	Strand	-
Start	1	End	984
Name	OJ000313_05.0419.C66.o1.gs	Method	GENSCAN
Start	32	End	937
GI	none	Score	1
Exons	32..937		

Seq. No.	56563	Seq. ID	OJ000313_05.0419.C67
Gene No.	118331	Strand	-
Start	1	End	779
Name	OJ000313_05.0419.C67.o1.gp	Method	AAT/GAP
Start	1	End	234
GI	23415_1.R1084	Score	433
Exons	1..234		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	56563	Seq. ID	OJ000313_05.0419.C67
Gene No.	118331	Strand	-
Start	1	End	779
Name	OJ000313_05.0419.C67.o1.np	Method	AAT/NAP
Start	1	End	771
GI	7431843	Score	544
Exons	1..239, 387..479, 577..771		
GI Descrip.	NADPH--ferrihemoprotein reductase (EC 1.6.2.4) - California poppy gi|2580499|gb|AAC05022.1| (U67186) NADPH:ferrihemoprotein oxidoreductase [Eschscholzia californica]		

Seq. No.	56563	Seq. ID	OJ000313_05.0419.C67
Gene No.	118331	Strand	-

Start	1	End	779
Name	OJ000313_05.0419.C67.o1.tc	Method	TBLASTX:Cress
Start	12	End	779
GI	none	Score	52
Exons	12..92, 13..66, 103..180, 108..182, 182..229, 183..230, 389..481, 393..482, 558..728, 583..717, 705..779		

Seq. No.	56563	Seq. ID	OJ000313_05.0419.C67
Gene No.	118331	Strand	-
Start	1	End	779
Name	OJ000313_05.0419.C67.o1.ts	Method	TBLASTX:Soybean
Start	12	End	779
GI	none	Score	62
Exons	12..98, 108..182, 182..244, 183..233, 202..237, 381..482, 386..481, 393..482, 557..613, 576..770, 577..708, 669..779, 670..771, 707..775		

Seq. No.	56563	Seq. ID	OJ000313_05.0419.C67
Gene No.	118331	Strand	-
Start	1	End	779
Name	OJ000313_05.0419.C67.o1.tm	Method	TBLASTX:Maize
Start	12	End	779
GI	none	Score	167
Exons	12..182, 13..177, 20..181, 169..240, 173..238, 381..482, 383..487, 386..481, 526..771, 576..779, 577..771, 701..772		

Seq. No.	56563	Seq. ID	OJ000313_05.0419.C67
Gene No.	118331	Strand	-
Start	1	End	779
Name	OJ000313_05.0419.C67.o1.gs	Method	GENSCAN
Start	98	End	771
GI	none	Score	.7
Exons	98..204, 387..479, 577..771		

Seq. No.	56564	Seq. ID	OJ000313_05.0419.C68
Gene No.	118332	Strand	-
Start	1	End	458
Name	OJ000313_05.0419.C68.o1.np	Method	AAT/NAP
Start	1	End	443
GI	7431844	Score	179
Exons	1..106, 201..284, 374..443		
GI Descrip.	NADPH--ferrihemoprotein reductase (EC 1.6.2.4) ATR2 - Arabidopsis thaliana gi|5730131|emb|CAB52465.1| (AL109796) NADPH-ferrihemoprotein reductase (ATR2) [Arabidopsis thaliana] gi|7269921|emb|CAB81014.1| (AL161576) NADPH-ferrihemoprotein reductase (ATR2) [Arabidopsis thaliana]		

Seq. No.	56564	Seq. ID	OJ000313_05.0419.C68
Gene No.	118332	Strand	-
Start	1	End	458
Name	OJ000313_05.0419.C68.o1.tc	Method	TBLASTX:Cress
Start	35	End	446
GI	none	Score	106
Exons	35..106, 198..287, 202..294, 367..441, 372..431, 374..445, 375..446		

Seq. No.	56564	Seq. ID	OJ000313_05.0419.C68

Gene No.	118332	Strand	-
Start	1	End	458
Name	OJ000313_05.0419.C68.o1.tm	Method	TBLASTX:Maize
Start	35	End	445
GI	none	Score	136
Exons	35..106, 198..287, 202..294, 374..445, 375..434		

Seq. No.	56564	Seq. ID	OJ000313_05.0419.C68
Gene No.	118332	Strand	-
Start	1	End	458
Name	OJ000313_05.0419.C68.o1.ts	Method	TBLASTX:Soybean
Start	35	End	458
GI	none	Score	50
Exons	35..106, 36..113, 198..284, 202..243, 367..432, 374..445, 375..458		

Seq. No.	56565	Seq. ID	OJ000323_06.0419.C15
Gene No.	118333	Strand	+
Start	1	End	732
Name	OJ000323_06.0419.C15.o1.np	Method	AAT/NAP
Start	1	End	732
GI	6016874	Score	581
Exons	1..411, 529..732		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	56565	Seq. ID	OJ000323_06.0419.C15
Gene No.	118334	Strand	-
Start	462	End	726
Name	OJ000323_06.0419.C15.o1.tm	Method	TBLASTX:Maize
Start	99	End	451
GI	none	Score	239
Exons	99..380, 110..451		

Seq. No.	56565	Seq. ID	OJ000323_06.0419.C15
Gene No.	118334	Strand	-
Start	462	End	726
Name	OJ000323_06.0419.C15.o1.gs	Method	GENSCAN
Start	462	End	713
GI	none	Score	.74
Exons	462..713		

Seq. No.	56565	Seq. ID	OJ000323_06.0419.C15
Gene No.	118334	Strand	-
Start	462	End	726
Name	OJ000323_06.0419.C15.o2.tm	Method	TBLASTX:Maize
Start	564	End	726
GI	none	Score	223
Exons	564..722, 574..726		

Seq. No.	56566	Seq. ID	OJ000323_06.0419.C33
Gene No.	118335	Strand	+
Start	1030	End	1110
Name	OJ000323_06.0419.C33.o1.gs	Method	GENSCAN
Start	1030	End	1110
GI	none	Score	.43

Exons 1030..1110

Seq. No.	56567	Seq. ID	OJ000323_06.0419.C35
Gene No.	118336	Strand	-
Start	1	End	290
Name	OJ000323_06.0419.C35.o1.np	Method	AAT/NAP
Start	1	End	290
GI	7228442	Score	297
Exons	1..290		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	56568	Seq. ID	OJ000323_06.0419.C77
Gene No.	118337	Strand	-
Start	564	End	1063
Name	OJ000323_06.0419.C77.o1.gs	Method	GENSCAN
Start	564	End	1063
GI	none	Score	.74
Exons	564..587, 965..1063		

Seq. No.	56569	Seq. ID	OJ000313_06.0419.C1
Gene No.	118338	Strand	-
Start	1	End	907
Name	OJ000313_06.0419.C1.o1.np	Method	AAT/NAP
Start	1	End	907
GI	7486992	Score	1032
Exons	1..907		
GI Descrip.	hypothetical protein T13L16.5 - Arabidopsis thaliana gi|6598526|gb|AAD20114.2| (AC006201) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56569	Seq. ID	OJ000313_06.0419.C1
Gene No.	118338	Strand	-
Start	1	End	907
Name	OJ000313_06.0419.C1.o1.gs	Method	GENSCAN
Start	15	End	819
GI	none	Score	.65
Exons	15..59, 159..368, 734..819		

Seq. No.	56570	Seq. ID	OJ000313_06.0419.C3
Gene No.	118339	Strand	+
Start	1	End	561
Name	OJ000313_06.0419.C3.o1.gp	Method	AAT/GAP
Start	1	End	301
GI	426244	Score	268
Exons	1..55, 171..301		

Seq. No.	56570	Seq. ID	OJ000313_06.0419.C3
Gene No.	118339	Strand	+
Start	1	End	561
Name	OJ000313_06.0419.C3.o1.gs	Method	GENSCAN
Start	176	End	561
GI	none	Score	.85
Exons	176..561		

Seq. No.	56571	Seq. ID	OJ000313_06.0419.C5

Gene No.	118340	Strand	+
Start	1	End	866
Name	OJ000313_06.0419.C5.o1.gp	Method	AAT/GAP
Start	1	End	220
GI	3760180	Score	157
Exons	1..21, 136..220		
GI Descrip.	4836931/gb|AAD30633.1|AC006085_6 4.0e-53 (AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56571	Seq. ID	OJ000313_06.0419.C5
Gene No.	118340	Strand	+
Start	1	End	866
Name	OJ000313_06.0419.C5.o1.np	Method	AAT/NAP
Start	1	End	866
GI	2129537	Score	109
Exons	1..21, 136..215, 842..866		
GI Descrip.	AP2 domain-containing protein - Arabidopsis thaliana gi|1209099 (U40256) AINTEGUMENTA [Arabidopsis thaliana] gi|1244708 (U41339) ANT [Arabidopsis thaliana] gi|4490720|emb|CAB38923.1| (AL035709) ovule development protein aintegumenta (ANT) [Arabidopsis thaliana]		

Seq. No.	56571	Seq. ID	OJ000313_06.0419.C5
Gene No.	118340	Strand	+
Start	1	End	866
Name	OJ000313_06.0419.C5.o1.gs	Method	GENSCAN
Start	147	End	212
GI	none	Score	.63
Exons	147..212		

Seq. No.	56572	Seq. ID	OJ000313_06.0419.C9
Gene No.	118341	Strand	-
Start	226	End	414
Name	OJ000313_06.0419.C9.o1.gs	Method	GENSCAN
Start	226	End	414
GI	none	Score	.99
Exons	226..414		

Seq. No.	56572	Seq. ID	OJ000313_06.0419.C9
Gene No.	118342	Strand	-
Start	599	End	731
Name	OJ000313_06.0419.C9.o1.gp	Method	AAT/GAP
Start	599	End	731
GI	38597_1.R1084	Score	245
Exons	599..731		
GI Descrip.	'4454038/emb|CAA23035.1| 4.0e-29 (AL035394) putative disease resistance response protein [Arabidopsis thaliana]'		

Seq. No.	56573	Seq. ID	OJ000313_06.0419.C13
Gene No.	118343	Strand	-
Start	395	End	5010
Name	OJ000313_06.0419.C13.o1.tm	Method	TBLASTX:Maize
Start	383	End	3394
GI	none	Score	275
Exons	383..685, 385..702, 386..679, 571..687, 1119..1295, 1140..1295, 1141..1296, 1536..1667, 1537..1668, 1539..1667, 1552..1668, 2493..2639, 2498..2641, 2499..2645, 2500..2646, 3202..3309,		

3213..3308, 3219..3320, 3242..3337, 3275..3337, 3283..3375, 3329..3394

Seq. No.	56573	Seq. ID	OJ000313_06.0419.C13
Gene No.	118343	Strand	-
Start	395	End	5010
Name	OJ000313_06.0419.C13.o1.gs	Method	GENSCAN
Start	395	End	5010
GI	none	Score	.64
Exons	395..679, 1143..1294, 1541..1666, 2501..2644, 3212..3404, 4077..4122, 4727..5010		

Seq. No.	56573	Seq. ID	OJ000313_06.0419.C13
Gene No.	118343	Strand	-
Start	395	End	5010
Name	OJ000313_06.0419.C13.o1.ts	Method	TBLASTX:Soybean
Start	404	End	3320
GI	none	Score	119
Exons	404..679, 407..529, 471..680, 1140..1295, 1141..1296, 1141..1296, 1539..1667, 1540..1668, 1540..1668, 2487..2639, 2499..2639, 2500..2640, 3202..3309, 3213..3308, 3219..3320		

Seq. No.	56573	Seq. ID	OJ000313_06.0419.C13
Gene No.	118343	Strand	-
Start	395	End	5010
Name	OJ000313_06.0419.C13.o1.tc	Method	TBLASTX:Cress
Start	425	End	2667
GI	none	Score	66
Exons	425..526, 425..679, 585..680, 1140..1295, 1141..1296, 1141..1308, 1142..1297, 1521..1664, 1537..1680, 1539..1667, 2499..2666, 2500..2667		

Seq. No.	56573	Seq. ID	OJ000313_06.0419.C13
Gene No.	118343	Strand	-
Start	395	End	5010
Name	OJ000313_06.0419.C13.o1.tw	Method	TBLASTX:Wheat
Start	449	End	1299
GI	none	Score	96
Exons	449..673, 585..674, 1132..1296, 1140..1295, 1141..1299, 1143..1298		

Seq. No.	56573	Seq. ID	OJ000313_06.0419.C13
Gene No.	118343	Strand	-
Start	395	End	5010
Name	OJ000313_06.0419.C13.o1.np	Method	AAT/NAP
Start	560	End	2630
GI	6967707	Score	293
Exons	560..679, 1143..1294, 1541..1666, 2501..2630		
GI Descrip.	(AL139074) putative acetyltransferase [Campylobacter jejuni]		

Seq. No.	56573	Seq. ID	OJ000313_06.0419.C13
Gene No.	118343	Strand	-
Start	395	End	5010
Name	OJ000313_06.0419.C13.o2.tw	Method	TBLASTX:Wheat
Start	1626	End	3391
GI	none	Score	63
Exons	1626..1667, 1627..1668, 1628..1669, 2493..2645, 2499..2645,		

2500..2661, 3202..3309, 3213..3308, 3225..3317, 3281..3331, 3283..3330, 3347..3391

Seq. No.	56574	Seq. ID	OJ000313_06.0419.C14
Gene No.	118344	Strand	+
Start	1	End	510
Name	OJ000313_06.0419.C14.o1.np	Method	AAT/NAP
Start	1	End	492
GI	6729022	Score	207
Exons	1..44, 72..492		
GI Descrip.	(AC009177) unknown protein [Arabidopsis thaliana]		

Seq. No.	56574	Seq. ID	OJ000313_06.0419.C14
Gene No.	118344	Strand	+
Start	1	End	510
Name	OJ000313_06.0419.C14.o1.gs	Method	GENSCAN
Start	10	End	510
GI	none	Score	.99
Exons	10..510		

Seq. No.	56574	Seq. ID	OJ000313_06.0419.C14
Gene No.	118344	Strand	+
Start	1	End	510
Name	OJ000313_06.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	216	End	489
GI	none	Score	61
Exons	216..239, 217..249, 262..489, 291..479		

Seq. No.	56575	Seq. ID	OJ000313_06.0419.C15
Gene No.	118345	Strand	-
Start	1	End	754
Name	OJ000313_06.0419.C15.o1.np	Method	AAT/NAP
Start	1	End	699
GI	5487873	Score	343
Exons	1..699		
GI Descrip.	(AF110333) PrMC3 [Pinus radiata]		

Seq. No.	56575	Seq. ID	OJ000313_06.0419.C15
Gene No.	118345	Strand	-
Start	1	End	754
Name	OJ000313_06.0419.C15.o1.gs	Method	GENSCAN
Start	80	End	754
GI	none	Score	.97
Exons	80..754		

Seq. No.	56575	Seq. ID	OJ000313_06.0419.C15
Gene No.	118346	Strand	-
Start	1262	End	3751
Name	OJ000313_06.0419.C15.o1.tc	Method	TBLASTX:Cress
Start	2	End	487
GI	none	Score	73
Exons	2..34, 68..151, 162..239, 179..238, 287..487, 336..425		

Seq. No.	56575	Seq. ID	OJ000313_06.0419.C15
Gene No.	118346	Strand	-
Start	1262	End	3751
Name	OJ000313_06.0419.C15.o1.ts	Method	TBLASTX:Soybean

Start	56	End	577
GI	none	Score	51
Exons	56..145, 168..233, 179..247, 287..511, 336..443, 458..577		

Seq. No.	56575	Seq. ID	OJ000313_06.0419.C15
Gene No.	118346	Strand	-
Start	1262	End	3751
Name	OJ000313_06.0419.C15.o1.tm	Method	TBLASTX:Maize
Start	68	End	613
GI	none	Score	113
Exons	68..250, 171..236, 290..487, 336..443, 512..613, 513..608		

Seq. No.	56575	Seq. ID	OJ000313_06.0419.C15
Gene No.	118346	Strand	-
Start	1262	End	3751
Name	OJ000313_06.0419.C15.o1.tw	Method	TBLASTX:Wheat
Start	296	End	499
GI	none	Score	53
Exons	296..499, 336..389		

Seq. No.	56575	Seq. ID	OJ000313_06.0419.C15
Gene No.	118346	Strand	-
Start	1262	End	3751
Name	OJ000313_06.0419.C15.o2.tw	Method	TBLASTX:Wheat
Start	512	End	683
GI	none	Score	130
Exons	512..682, 513..683		

Seq. No.	56575	Seq. ID	OJ000313_06.0419.C15
Gene No.	118346	Strand	-
Start	1262	End	3751
Name	OJ000313_06.0419.C15.o2.gs	Method	GENSCAN
Start	1262	End	3751
GI	none	Score	.4
Exons	1262..1707, 2989..3124, 3161..3449, 3705..3751		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118347	Strand	+
Start	1251	End	2177
Name	OJ000313_06.0419.C16.o1.gs	Method	GENSCAN
Start	1251	End	2177
GI	none	Score	.6
Exons	1251..1369, 1541..1636, 2068..2177		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118348	Strand	+
Start	12428	End	13683
Name	OJ000313_06.0419.C16.o5.gs	Method	GENSCAN
Start	12428	End	13683
GI	none	Score	.47
Exons	12428..12449, 13125..13154, 13664..13683		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118349	Strand	+
Start	14449	End	15048
Name	OJ000313_06.0419.C16.o6.gs	Method	GENSCAN
Start	14449	End	15048

GI	none	Score	.91
Exons	14449..15048		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118349	Strand	+
Start	14449	End	15048
Name	OJ000313_06.0419.C16.o3.np	Method	AAT/NAP
Start	14452	End	15042
GI	6694699	Score	384
Exons	14452..15042		
GI Descrip.	(AF210064) dirigent protein [Thuja plicata]		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118349	Strand	+
Start	14449	End	15048
Name	OJ000313_06.0419.C16.o1.gp	Method	AAT/GAP
Start	14787	End	15045
GI	4969019	Score	470
Exons	14787..15045		
GI Descrip.	4454038/emb|CAA23035.1| 4.0e-29 (AL035394) putative disease resistance response protein [Arabidopsis thaliana]		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118350	Strand	+
Start	17186	End	17808
Name	OJ000313_06.0419.C16.o8.gs	Method	GENSCAN
Start	17186	End	17808
GI	none	Score	.91
Exons	17186..17257, 17278..17808		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118351	Strand	+
Start	20563	End	25416
Name	OJ000313_06.0419.C16.o4.np	Method	AAT/NAP
Start	20563	End	23328
GI	7487237	Score	364
Exons	20563..20674, 21978..23077, 23262..23328		
GI Descrip.	hypothetical protein T20B5.15 - Arabidopsis thaliana gi|2623309|gb|AAB86455.1| (AC002409) putative TGACG-sequence-specific bZIP DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118351	Strand	+
Start	20563	End	25416
Name	OJ000313_06.0419.C16.o10.gs	Method	GENSCAN
Start	21837	End	25416
GI	none	Score	.98
Exons	21837..23082, 24566..24838, 25317..25340, 25409..25416		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118352	Strand	-
Start	1872	End	6413
Name	OJ000313_06.0419.C16.o1.np	Method	AAT/NAP
Start	1872	End	3748
GI	5734715	Score	307
Exons	1872..1902, 3140..3748		

GI Descrip. (AC008075) Similar to gb|AF110333 PrMC3 protein from Pinus radiata and is a member of PF|00135 Carboxylesterases family. EST gb|N37841 comes from this gene. [Arabidopsis thaliana]

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118352	Strand	-
Start	1872	End	6413
Name	OJ000313_06.0419.C16.o2.gs	Method	GENSCAN
Start	2873	End	3940
GI	none	Score	.9
Exons	2873..3940		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118352	Strand	-
Start	1872	End	6413
Name	OJ000313_06.0419.C16.o2.np	Method	AAT/NAP
Start	2885	End	5876
GI	5734715	Score	303
Exons	2885..3754, 5733..5876		

GI Descrip. (AC008075) Similar to gb|AF110333 PrMC3 protein from Pinus radiata and is a member of PF|00135 Carboxylesterases family. EST gb|N37841 comes from this gene. [Arabidopsis thaliana]

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118352	Strand	-
Start	1872	End	6413
Name	OJ000313_06.0419.C16.o3.gs	Method	GENSCAN
Start	5373	End	6413
GI	none	Score	1
Exons	5373..6413		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118353	Strand	-
Start	8273	End	9349
Name	OJ000313_06.0419.C16.o4.gs	Method	GENSCAN
Start	8273	End	9349
GI	none	Score	.99
Exons	8273..9349		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118354	Strand	-
Start	18794	End	20968
Name	OJ000313_06.0419.C16.o4.tm	Method	TBLASTX:Maize
Start	2891	End	8561
GI	none	Score	231
Exons	2891..3160, 2892..3161, 5458..5604, 5460..5633, 5631..5681, 5650..5682, 8297..8377, 8297..8560, 8301..8561		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118354	Strand	-
Start	18794	End	20968
Name	OJ000313_06.0419.C16.o1.ts	Method	TBLASTX:Soybean
Start	2894	End	8920
GI	none	Score	74
Exons	2894..3100, 3122..3208, 3123..3209, 3221..3325, 3294..3386, 3329..3388, 3455..3625, 5463..5606, 5464..5607, 5652..5711, 5659..5712, 5742..5822, 5871..5924, 5976..6083, 6060..6134,		

8297..8497, 8355..8498, 8531..8608, 8541..8666, 8621..8707, 8694..8786, 8729..8788, 8849..8920

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118354	Strand	-
Start	18794	End	20968
Name	OJ000313_06.0419.C16.o2.tc	Method	TBLASTX:Cress
Start	3137	End	8920
GI	none	Score	69
Exons	3137..3208, 3138..3209, 3221..3325, 3335..3394, 3455..3625, 5658..5729, 5742..5822, 5871..5924, 5967..6065, 6048..6134, 8537..8608, 8541..8591, 8621..8689, 8622..8690, 8735..8788, 8742..8789, 8840..8920		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118354	Strand	-
Start	18794	End	20968
Name	OJ000313_06.0419.C16.o2.tm	Method	TBLASTX:Maize
Start	3221	End	9271
GI	none	Score	124
Exons	3221..3400, 3264..3458, 3437..3625, 3519..3623, 3681..3776, 3683..3760, 3746..3895, 3747..3878, 5740..5814, 5742..5822, 5868..5945, 5872..5997, 5964..6083, 6000..6062, 6048..6134, 6121..6135, 6186..6236, 6279..6410, 6289..6378, 8619..8819, 8621..8818, 8813..8839, 8837..9040, 8979..9038, 9074..9163, 9078..9152, 9174..9269, 9188..9271, 9188..9268		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118354	Strand	-
Start	18794	End	20968
Name	OJ000313_06.0419.C16.o1.tw	Method	TBLASTX:Wheat
Start	3534	End	9274
GI	none	Score	95
Exons	3534..3623, 3572..3625, 3675..3878, 3683..3895, 3854..3892, 6066..6134, 6186..6236, 6187..6378, 6282..6377, 8972..9040, 8979..9038, 9074..9130, 9078..9152, 9180..9269, 9191..9274, 9194..9268		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118354	Strand	-
Start	18794	End	20968
Name	OJ000313_06.0419.C16.o1.tc	Method	TBLASTX:Cress
Start	14560	End	17811
GI	none	Score	48
Exons	14560..14607, 14686..14733, 14758..15042, 14832..15017, 17532..17801, 17533..17811		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118354	Strand	-
Start	18794	End	20968
Name	OJ000313_06.0419.C16.o3.tm	Method	TBLASTX:Maize
Start	18496	End	19387
GI	none	Score	170
Exons	18496..18681, 18536..18688, 18560..18679, 18594..18680, 18712..19026, 18750..18902, 18751..19032, 18800..19027, 19185..19310, 19186..19368, 19186..19365, 19193..19387, 19205..19387		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118354	Strand	-
Start	18794	End	20968
Name	OJ000313_06.0419.C16.o2.gp	Method	AAT/GAP
Start	18576	End	19240
GI	35649_1.R1084	Score	610
Exons	18576..18677, 18754..19031, 19191..19240		
GI Descrip.	'4454038/emb|CAA23035.1| 4.0e-29 (AL035394) putative disease resistance response protein [Arabidopsis thaliana]'		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118354	Strand	-
Start	18794	End	20968
Name	OJ000313_06.0419.C16.o2.ts	Method	TBLASTX:Soybean
Start	18784	End	20689
GI	none	Score	71
Exons	18784..18885, 18784..19026, 18803..19021, 18936..19022, 19192..19365, 19205..19378, 19206..19358, 19207..19368, 20529..20687, 20564..20689		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118354	Strand	-
Start	18794	End	20968
Name	OJ000313_06.0419.C16.o9.gs	Method	GENSCAN
Start	18794	End	20968
GI	none	Score	.84
Exons	18794..18811, 18835..19031, 19191..19365, 20504..20968		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118354	Strand	-
Start	18794	End	20968
Name	OJ000313_06.0419.C16.o3.gp	Method	AAT/GAP
Start	19615	End	19978
GI	uC-osrocyp031c04b1	Score	597
Exons	19615..19978		
GI Descrip.	'1707032 2.0e-15 (U80445) coded for by C. elegans cDNA yk13g5.3; coded for by C. elegans cDNA yk21g6.3; coded for by C. elegans cDNA CEMSE18F; coded for by C. elegans cDNA yk126b1.3; coded for by C. elegans cDNA yk65h8.3; coded for by C. elegans cDNA yk65h8'		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118355	Strand	
Start	22469	End	24717
Name	OJ000313_06.0419.C16.o1.tm	Method	TBLASTX:Maize
Start	22469	End	24717
GI	none	Score	67
Exons	22469..22528, 22470..22556, 22497..22916, 22499..22864, 22557..22883, 22606..22917, 22825..22914, 22911..22991, 22919..22990, 22929..22991, 22992..23084, 22992..23078, 22994..23083, 24564..24686, 24565..24702, 24568..24717		

Seq. No.	56576	Seq. ID	OJ000313_06.0419.C16
Gene No.	118356	Strand	
Start	24723	End	25026
Name	OJ000313_06.0419.C16.o5.tm	Method	TBLASTX:Maize

Start	24723	End	25026
GI	none	Score	69
Exons	24723..24788, 24723..24791, 24724..24804, 24727..24798, 24814..25020, 24817..25026, 24843..25022		

Seq. No.	56577	Seq. ID	OJ000313_06.0419.C17
Gene No.	118357	Strand	+
Start	796	End	5600
Name	OJ000313_06.0419.C17.o1.gs	Method	GENSCAN
Start	796	End	5091
GI	none	Score	.75
Exons	796..982, 1220..1295, 3433..3560, 3661..3919, 4331..4510, 4909..5091		

Seq. No.	56577	Seq. ID	OJ000313_06.0419.C17
Gene No.	118357	Strand	+
Start	796	End	5600
Name	OJ000313_06.0419.C17.o1.gp	Method	AAT/GAP
Start	2440	End	3571
GI	701288	Score	743
Exons	2440..2541, 3145..3246, 3322..3571		

Seq. No.	56577	Seq. ID	OJ000313_06.0419.C17
Gene No.	118357	Strand	+
Start	796	End	5600
Name	OJ000313_06.0419.C17.o1.np	Method	AAT/NAP
Start	2904	End	5235
GI	6562002	Score	653
Exons	2904..3014, 3666..3919, 4331..4510, 4909..5064, 5146..5235		
GI Descrip.	(AL133363) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56577	Seq. ID	OJ000313_06.0419.C17
Gene No.	118357	Strand	+
Start	796	End	5600
Name	OJ000313_06.0419.C17.o2.gp	Method	AAT/GAP
Start	4906	End	5600
GI	3768640	Score	1081
Exons	4906..5064, 5146..5600		
GI Descrip.	4335739/gb|AAD17417| 3.0e-11 (AC006248) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56577	Seq. ID	OJ000313_06.0419.C17
Gene No.	118358	Strand	+
Start	5836	End	6407
Name	OJ000313_06.0419.C17.o3.gp	Method	AAT/GAP
Start	5836	End	6407
GI	2798815	Score	637
Exons	5836..6407		
GI Descrip.	3660464/emb|AJ001753|ATI134T 1.0e-20 Arabidopsis thaliana mRNA for Inositol 1,3,4-Trisphosphate 5/6 Kinase		

Seq. No.	56577	Seq. ID	OJ000313_06.0419.C17
Gene No.	118359	Strand	-
Start	6050	End	9517
Name	OJ000313_06.0419.C17.o4.tm	Method	TBLASTX:Maize
Start	3491	End	3840
GI	none	Score	64

Exons	3491..3559, 3508..3558, 3658..3840, 3662..3835		
Seq. No.	56577	Seq. ID	OJ000313_06.0419.C17
Gene No.	118359	Strand	-
Start	6050	End	9517
Name	OJ000313_06.0419.C17.o1.ts	Method	TBLASTX:Soybean
Start	3535	End	4435
GI	none	Score	38
Exons	3535..3564, 3640..3918, 3659..3919, 3846..3926, 3847..3924, 4328..4435, 4328..4423		
Seq. No.	56577	Seq. ID	OJ000313_06.0419.C17
Gene No.	118359	Strand	-
Start	6050	End	9517
Name	OJ000313_06.0419.C17.o5.tm	Method	TBLASTX:Maize
Start	3841	End	4501
GI	none	Score	133
Exons	3841..3918, 3842..3919, 3850..3921, 4328..4501, 4337..4498		
Seq. No.	56577	Seq. ID	OJ000313_06.0419.C17
Gene No.	118359	Strand	-
Start	6050	End	9517
Name	OJ000313_06.0419.C17.o3.tc	Method	TBLASTX:Cress
Start	4378	End	5298
GI	none	Score	97
Exons	4378..4509, 4442..4531, 4906..5082, 4908..5075, 5146..5295, 5149..5298		
Seq. No.	56577	Seq. ID	OJ000313_06.0419.C17
Gene No.	118359	Strand	-
Start	6050	End	9517
Name	OJ000313_06.0419.C17.o3.ts	Method	TBLASTX:Soybean
Start	4436	End	5262
GI	none	Score	77
Exons	4436..4531, 4903..5082, 4930..5082, 5149..5262		
Seq. No.	56577	Seq. ID	OJ000313_06.0419.C17
Gene No.	118359	Strand	-
Start	6050	End	9517
Name	OJ000313_06.0419.C17.o3.tm	Method	TBLASTX:Maize
Start	4938	End	5328
GI	none	Score	121
Exons	4938..5066, 4939..5082, 4941..5069, 5139..5327, 5146..5328		
Seq. No.	56577	Seq. ID	OJ000313_06.0419.C17
Gene No.	118359	Strand	-
Start	6050	End	9517
Name	OJ000313_06.0419.C17.o1.tm	Method	TBLASTX:Maize
Start	5930	End	8129
GI	none	Score	48
Exons	5930..5998, 5931..6002, 5991..6008, 6041..6142, 6048..6104, 6110..6196, 6121..6243, 6297..6362, 6305..6328, 6383..6511, 6384..6503, 6386..6511, 6596..6715, 6606..6719, 6607..6714, 6715..6858, 6717..6866, 6721..6858, 7138..7374, 7158..7376, 7177..7377, 7178..7375, 7948..8061, 7958..8092, 7958..8068, 8067..8129, 8069..8128, 8076..8129		

Seq. No.	56577	Seq. ID	OJ000313_06.0419.C17
Gene No.	118359	Strand	-
Start	6050	End	9517
Name	OJ000313_06.0419.C17.o2.gs	Method	GENSCAN
Start	6050	End	9410
GI	none	Score	.89
Exons	6050..6508, 6606..6857, 7173..7373, 7958..8128, 8221..8405, 8498..8823, 8999..9024, 9402..9410		

Seq. No.	56577	Seq. ID	OJ000313_06.0419.C17
Gene No.	118359	Strand	-
Start	6050	End	9517
Name	OJ000313_06.0419.C17.o2.np	Method	AAT/NAP
Start	6140	End	9517
GI	6330235	Score	1157
Exons	6140..6426, 6522..6846, 7165..7382, 7967..8128, 8221..8409, 8511..8823, 9402..9517		
GI Descrip.	(AB033003) KIAA1177 protein [Homo sapiens]		

Seq. No.	56577	Seq. ID	OJ000313_06.0419.C17
Gene No.	118359	Strand	-
Start	6050	End	9517
Name	OJ000313_06.0419.C17.o2.tc	Method	TBLASTX:Cress
Start	6384	End	6740
GI	none	Score	44
Exons	6384..6419, 6386..6418, 6416..6511, 6417..6509, 6422..6511, 6599..6739, 6606..6740, 6607..6732		

Seq. No.	56577	Seq. ID	OJ000313_06.0419.C17
Gene No.	118359	Strand	-
Start	6050	End	9517
Name	OJ000313_06.0419.C17.o2.ts	Method	TBLASTX:Soybean
Start	6786	End	7379
GI	none	Score	62
Exons	6786..6866, 6789..6857, 6790..6858, 7135..7374, 7158..7379		

Seq. No.	56577	Seq. ID	OJ000313_06.0419.C17
Gene No.	118359	Strand	-
Start	6050	End	9517
Name	OJ000313_06.0419.C17.o1.tc	Method	TBLASTX:Cress
Start	8012	End	8567
GI	none	Score	139
Exons	8012..8131, 8023..8136, 8025..8141, 8182..8403, 8216..8407, 8219..8404, 8220..8408, 8265..8408, 8499..8567, 8506..8556		

Seq. No.	56577	Seq. ID	OJ000313_06.0419.C17
Gene No.	118359	Strand	-
Start	6050	End	9517
Name	OJ000313_06.0419.C17.o4.gp	Method	AAT/GAP
Start	8043	End	8582
GI	4878395	Score	642
Exons	8043..8128, 8221..8405, 8498..8582		
GI Descrip.	1707032 2.0e-15 (U80445) coded for by C. elegans cDNA yk13g5.3; coded for by C. elegans cDNA yk21g6.3; coded for by C. elegans cDNA CEMSE18F; coded for by C. elegans cDNA yk126b1.3; coded for by C. elegans cDNA yk65h8.3; coded for by C. elegans cDNA yk65h8		

Seq. No.	56577	Seq. ID	OJ000313_06.0419.C17
Gene No.	118359	Strand	-
Start	6050	End	9517
Name	OJ000313_06.0419.C17.o2.tm	Method	TBLASTX:Maize
Start	8267	End	9517
GI	none	Score	80
Exons	8267..8377, 8267..8329, 8268..8330, 8269..8346, 8332..8406, 8333..8407, 8499..8825, 8500..8826, 8529..8717, 8652..8837, 9388..9516, 9401..9517, 9401..9517		

Seq. No.	56578	Seq. ID	OJ000313_06.0419.C18
Gene No.	118360	Strand	+
Start	17	End	886
Name	OJ000313_06.0419.C18.o1.gs	Method	GENSCAN
Start	17	End	886
GI	none	Score	.92
Exons	17..886		

Seq. No.	56578	Seq. ID	OJ000313_06.0419.C18
Gene No.	118361	Strand	-
Start	1	End	706
Name	OJ000313_06.0419.C18.o1.np	Method	AAT/NAP
Start	1	End	706
GI	7303287	Score	519
Exons	1..706		
GI Descrip.	(AE003817) CG6197 gene product [Drosophila melanogaster]		

Seq. No.	56578	Seq. ID	OJ000313_06.0419.C18
Gene No.	118362	Strand	-
Start	1952	End	2823
Name	OJ000313_06.0419.C18.o2.gs	Method	GENSCAN
Start	1952	End	2823
GI	none	Score	.73
Exons	1952..1980, 2202..2355, 2608..2823		

Seq. No.	56578	Seq. ID	OJ000313_06.0419.C18
Gene No.	118363	Strand	-
Start	5840	End	5884
Name	OJ000313_06.0419.C18.o3.gs	Method	GENSCAN
Start	5840	End	5884
GI	none	Score	.88
Exons	5840..5884		

Seq. No.	56579	Seq. ID	OJ000313_06.0419.C19
Gene No.	118364	Strand	-
Start	1525	End	3313
Name	OJ000313_06.0419.C19.o1.gs	Method	GENSCAN
Start	1525	End	3313
GI	none	Score	.67
Exons	1525..1832, 1930..2050, 2090..2300, 3246..3313		

Seq. No.	56580	Seq. ID	OJ000313_06.0419.C20
Gene No.	118365	Strand	+
Start	6275	End	7728
Name	OJ000313_06.0419.C20.o1.gp	Method	AAT/GAP
Start	6275	End	6786
GI	uC-osf1M202052c07b1	Score	995

Exons	6275..6786		
GI Descrip.	'4234848 1.0e-12 (AF082131) gag-pol polyprotein [Zea mays]'		
Seq. No.	56580	Seq. ID	OJ000313_06.0419.C20
Gene No.	118365	Strand	+
Start	6275	End	7728
Name	OJ000313_06.0419.C20.o1.np	Method	AAT/NAP
Start	6385	End	7728
GI	4234846	Score	704
Exons	6385..6561, 6595..7728		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		
Seq. No.	56580	Seq. ID	OJ000313_06.0419.C20
Gene No.	118365	Strand	+
Start	6275	End	7728
Name	OJ000313_06.0419.C20.o1.tm	Method	TBLASTX:Maize
Start	6478	End	7080
GI	none	Score	467
Exons	6478..7056, 6600..7046, 6802..7080		
Seq. No.	56580	Seq. ID	OJ000313_06.0419.C20
Gene No.	118365	Strand	+
Start	6275	End	7728
Name	OJ000313_06.0419.C20.o2.gp	Method	AAT/GAP
Start	7018	End	7591
GI	uC-osflcyp006a10b1	Score	842
Exons	7018..7232, 7340..7591		
GI Descrip.	'4234846 7.0e-13 (AF082130) gag-pol polyprotein [Zea mays]'		
Seq. No.	56581	Seq. ID	OJ000313_06.0419.C21
Gene No.	118366	Strand	+
Start	1	End	2058
Name	OJ000313_06.0419.C21.o1.np	Method	AAT/NAP
Start	1	End	2058
GI	7489738	Score	1978
Exons	1..2058		
GI Descrip.	gag-pol polyprotein - maize copia-like retrotransposon Sto-4 gi|4234852|gb|AAD12997.1| (AF082133) gag-pol polyprotein [Zea mays]		
Seq. No.	56581	Seq. ID	OJ000313_06.0419.C21
Gene No.	118367	Strand	-
Start	141	End	2179
Name	OJ000313_06.0419.C21.o1.gs	Method	GENSCAN
Start	141	End	2179
GI	none	Score	.73
Exons	141..364, 2006..2179		
Seq. No.	56581	Seq. ID	OJ000313_06.0419.C21
Gene No.	118367	Strand	-
Start	141	End	2179
Name	OJ000313_06.0419.C21.o1.ts	Method	TBLASTX:Soybean
Start	541	End	963
GI	5509260	Score	121
Exons	541..573, 549..707, 669..902, 688..963		
GI Descrip.	-		

Seq. No.	56581	Seq. ID	OJ000313_06.0419.C21
Gene No.	118367	Strand	-
Start	141	End	2179
Name	OJ000313_06.0419.C21.o1.tw	Method	TBLASTX:Wheat
Start	669	End	1452
GI	none	Score	41
Exons	669..707, 688..954, 705..953, 959..1042, 1049..1267, 1077..1313, 1085..1267, 1086..1277, 1246..1452, 1254..1448		

Seq. No.	56581	Seq. ID	OJ000313_06.0419.C21
Gene No.	118367	Strand	-
Start	141	End	2179
Name	OJ000313_06.0419.C21.o2.tm	Method	TBLASTX:Maize
Start	688	End	1135
GI	none	Score	220
Exons	688..963, 705..953, 1049..1135		

Seq. No.	56581	Seq. ID	OJ000313_06.0419.C21
Gene No.	118367	Strand	-
Start	141	End	2179
Name	OJ000313_06.0419.C21.o1.tm	Method	TBLASTX:Maize
Start	1258	End	1542
GI	none	Score	228
Exons	1258..1542, 1392..1532		

Seq. No.	56581	Seq. ID	OJ000313_06.0419.C21
Gene No.	118367	Strand	-
Start	141	End	2179
Name	OJ000313_06.0419.C21.o2.ts	Method	TBLASTX:Soybean
Start	1438	End	2004
GI	none	Score	85
Exons	1438..1590, 1638..1784, 1813..2004		

Seq. No.	56581	Seq. ID	OJ000313_06.0419.C21
Gene No.	118367	Strand	-
Start	141	End	2179
Name	OJ000313_06.0419.C21.o2.tw	Method	TBLASTX:Wheat
Start	1611	End	2007
GI	none	Score	135
Exons	1611..1784, 1643..1783, 1792..2007		

Seq. No.	56582	Seq. ID	OJ000313_06.0419.C22
Gene No.	118368	Strand	+
Start	109	End	223
Name	OJ000313_06.0419.C22.o1.gs	Method	GENSCAN
Start	109	End	223
GI	none	Score	.75
Exons	109..223		

Seq. No.	56582	Seq. ID	OJ000313_06.0419.C22
Gene No.	118369	Strand	-
Start	1293	End	2027
Name	OJ000313_06.0419.C22.o2.gs	Method	GENSCAN
Start	1293	End	2027
GI	none	Score	.99
Exons	1293..2027		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118370	Strand	+
Start	229	End	2318
Name	OJ000313_06.0419.C23.o1.gs	Method	GENSCAN
Start	229	End	2318
GI	none	Score	.8
Exons	229..302, 474..630, 1011..1161, 1798..1970, 2211..2318		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118371	Strand	+
Start	12630	End	13188
Name	OJ000313_06.0419.C23.o2.gp	Method	AAT/GAP
Start	12630	End	13188
GI	none	Score	1021
Exons	12630..13188		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118372	Strand	+
Start	15134	End	21226
Name	OJ000313_06.0419.C23.o2.np	Method	AAT/NAP
Start	15134	End	21190
GI	5922631	Score	6704
Exons	15134..15258, 15517..15761, 15996..16198, 16244..16815, 16858..17006, 17133..18056, 18663..21190		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118372	Strand	+
Start	15134	End	21226
Name	OJ000313_06.0419.C23.o3.gs	Method	GENSCAN
Start	15134	End	21226
GI	none	Score	.4
Exons	15134..18048, 18145..21226		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118373	Strand	-
Start	2473	End	2876
Name	OJ000313_06.0419.C23.o1.gp	Method	AAT/GAP
Start	2473	End	2876
GI	LIB3474-002-P1-K1-C3	Score	808
Exons	2473..2876		
GI Descrip.	'1707032 2.0e-15 (U80445) coded for by C. elegans cDNA yk13g5.3; coded for by C. elegans cDNA yk21g6.3; coded for by C. elegans cDNA CEMSE18F; coded for by C. elegans cDNA yk126b1.3; coded for by C. elegans cDNA yk65h8.3; coded for by C. elegans cDNA yk65h8'		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118374	Strand	-
Start	21542	End	24483
Name	OJ000313_06.0419.C23.o4.gs	Method	GENSCAN

Start	21542	End	24483
GI	none	Score	.95
Exons	21542..21990, 22063..22167, 22240..22429, 22505..22692, 22812..23143, 23226..23401, 23599..24483		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118374	Strand	-
Start	21542	End	24483
Name	OJ000313_06.0419.C23.o3.np	Method	AAT/NAP
Start	21545	End	24483
GI	6691716	Score	2306
Exons	21545..21990, 22063..22175, 22326..22429, 22505..22699, 22876..23143, 23226..23401, 23599..24483		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o7.tm	Method	TBLASTX:Maize
Start	540	End	1166
GI	none	Score	131
Exons	540..635, 541..636, 1008..1166, 1009..1158, 1014..1160		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o7.tw	Method	TBLASTX:Wheat
Start	16420	End	16822
GI	none	Score	283
Exons	16420..16689, 16421..16822		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o1.tw	Method	TBLASTX:Wheat
Start	17396	End	18193
GI	none	Score	149
Exons	17396..17572, 17459..17572, 17617..17853, 17621..17851, 17900..18193, 17950..18189		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o3.ts	Method	TBLASTX:Soybean
Start	18113	End	18478
GI	none	Score	138
Exons	18113..18337, 18344..18478		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o8.tw	Method	TBLASTX:Wheat
Start	18194	End	18428
GI	none	Score	281
Exons	18194..18427, 18214..18426, 18215..18427, 18264..18428		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o3.tm	Method	TBLASTX:Maize
Start	18203	End	18559
GI	none	Score	367
Exons	18203..18559, 18244..18549, 18266..18559		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o2.tw	Method	TBLASTX:Wheat
Start	18428	End	18847
GI	none	Score	470
Exons	18428..18847, 18430..18846		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o1.ts	Method	TBLASTX:Soybean
Start	18722	End	19123
GI	none	Score	318
Exons	18722..19123, 18739..18882, 18919..19089		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o2.tm	Method	TBLASTX:Maize
Start	18790	End	19234
GI	none	Score	272
Exons	18790..19044, 18791..19045, 19066..19197, 19067..19210, 19208..19234		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o5.tw	Method	TBLASTX:Wheat
Start	18892	End	19321
GI	none	Score	415
Exons	18892..19164, 18893..19321		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o2.ts	Method	TBLASTX:Soybean
Start	19349	End	19737
GI	none	Score	88
Exons	19349..19453, 19357..19737, 19493..19735		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o6.tw	Method	TBLASTX:Wheat
Start	19358	End	19780
GI	none	Score	415
Exons	19358..19780, 19366..19770		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o5.tm	Method	TBLASTX:Maize
Start	19610	End	19864
GI	none	Score	192
Exons	19610..19864		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o10.tw	Method	TBLASTX:Wheat
Start	19796	End	20095
GI	none	Score	134
Exons	19796..19930, 19955..20095		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o1.tm	Method	TBLASTX:Maize
Start	20093	End	20455
GI	none	Score	447
Exons	20093..20416, 20113..20403, 20407..20454, 20408..20455		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o4.tw	Method	TBLASTX:Wheat
Start	20098	End	20485
GI	none	Score	420
Exons	20098..20409, 20099..20485, 20300..20485		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o6.tm	Method	TBLASTX:Maize
Start	20557	End	20830
GI	none	Score	95
Exons	20557..20664, 20558..20656, 20647..20721, 20651..20734, 20744..20830		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o3.tw	Method	TBLASTX:Wheat
Start	20600	End	21214
GI	none	Score	349
Exons	20600..21091, 20620..20709, 20761..20862, 21077..21214, 21088..21210		

Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o4.tm	Method	TBLASTX:Maize
Start	20942	End	21175
GI	none	Score	148

Exons	20942..21094, 21043..21093, 21073..21174, 21074..21175		
Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o9.tw	Method	TBLASTX:Wheat
Start	24073	End	24363
GI	none	Score	211
Exons	24073..24363		
Seq. No.	56583	Seq. ID	OJ000313_06.0419.C23
Gene No.	118375	Strand	-
Start	25909	End	28957
Name	OJ000313_06.0419.C23.o5.gs	Method	GENSCAN
Start	25909	End	28957
GI	none	Score	.45
Exons	25909..26278, 26395..26498, 26722..26781, 28103..28233, 28944..28957		
Seq. No.	56584	Seq. ID	OJ000313_06.0419.C24
Gene No.	118376	Strand	+
Start	206	End	4462
Name	OJ000313_06.0419.C24.o1.gs	Method	GENSCAN
Start	206	End	4462
GI	none	Score	.58
Exons	206..257, 1527..1598, 2810..3170, 3369..3489, 3964..4113, 4226..4462		
Seq. No.	56584	Seq. ID	OJ000313_06.0419.C24
Gene No.	118376	Strand	+
Start	206	End	4462
Name	OJ000313_06.0419.C24.o1.gp	Method	AAT/GAP
Start	2898	End	3301
GI	none	Score	772
Exons	2898..3301		
Seq. No.	56584	Seq. ID	OJ000313_06.0419.C24
Gene No.	118377	Strand	+
Start	8875	End	9296
Name	OJ000313_06.0419.C24.o4.gp	Method	AAT/GAP
Start	8875	End	9296
GI	none	Score	673
Exons	8875..9296		
Seq. No.	56584	Seq. ID	OJ000313_06.0419.C24
Gene No.	118378	Strand	-
Start	4975	End	6799
Name	OJ000313_06.0419.C24.o2.gs	Method	GENSCAN
Start	4975	End	6799
GI	none	Score	.61
Exons	4975..5486, 6415..6532, 6788..6799		
Seq. No.	56584	Seq. ID	OJ000313_06.0419.C24
Gene No.	118378	Strand	-
Start	4975	End	6799
Name	OJ000313_06.0419.C24.o1.np	Method	AAT/NAP
Start	4978	End	5575

GI	3776578	Score	306
Exons	4978..5575		
GI Descrip.	(AC005388) ESTs gb|F13915 and gb|F13916 come from this gene. [Arabidopsis thaliana]		

Seq. No.	56584	Seq. ID	OJ000313_06.0419.C24
Gene No.	118378	Strand	-
Start	4975	End	6799
Name	OJ000313_06.0419.C24.o2.gp	Method	AAT/GAP
Start	5154	End	6647
GI	29656_1.R1084	Score	1088
Exons	5154..5486, 6415..6647		
GI Descrip.	'3776578 2.0e-21 (AC005388) ESTs gb_F13915 and gb_F13916 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	56584	Seq. ID	OJ000313_06.0419.C24
Gene No.	118379	Strand	-
Start	7140	End	7336
Name	OJ000313_06.0419.C24.o3.gp	Method	AAT/GAP
Start	7140	End	7336
GI	LIB3477-003-P1-K1-E9	Score	95
Exons	7140..7179, 7277..7336		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	56584	Seq. ID	OJ000313_06.0419.C24
Gene No.	118380	Strand	-
Start	9126	End	9245
Name	OJ000313_06.0419.C24.o1.tm	Method	TBLASTX:Maize
Start	4975	End	6623
GI	none	Score	56
Exons	4975..5028, 5038..5472, 5040..5468, 5093..5473, 5465..5524, 6407..6490, 6411..6491, 6585..6623, 6597..6623		

Seq. No.	56584	Seq. ID	OJ000313_06.0419.C24
Gene No.	118380	Strand	-
Start	9126	End	9245
Name	OJ000313_06.0419.C24.o1.tc	Method	TBLASTX:Cress
Start	5032	End	5482
GI	none	Score	250
Exons	5032..5472, 5093..5482		

Seq. No.	56584	Seq. ID	OJ000313_06.0419.C24
Gene No.	118380	Strand	-
Start	9126	End	9245
Name	OJ000313_06.0419.C24.o1.tw	Method	TBLASTX:Wheat
Start	5043	End	5398
GI	none	Score	367
Exons	5043..5396, 5044..5397, 5093..5398		

Seq. No.	56584	Seq. ID	OJ000313_06.0419.C24
Gene No.	118380	Strand	-
Start	9126	End	9245
Name	OJ000313_06.0419.C24.o1.ts	Method	TBLASTX:Soybean
Start	5068	End	5481
GI	none	Score	217

Exons	5068..5481, 5093..5464		
Seq. No.	56584	Seq. ID	OJ000313_06.0419.C24
Gene No.	118380	Strand	-
Start	9126	End	9245
Name	OJ000313_06.0419.C24.o2.tm	Method	TBLASTX:Maize
Start	9111	End	9245
GI	none	Score	108
Exons	9111..9206, 9112..9243, 9120..9245, 9124..9243		
Seq. No.	56584	Seq. ID	OJ000313_06.0419.C24
Gene No.	118380	Strand	-
Start	9126	End	9245
Name	OJ000313_06.0419.C24.o2.ts	Method	TBLASTX:Soybean
Start	9123	End	9245
GI	none	Score	132
Exons	9123..9245, 9127..9243		
Seq. No.	56584	Seq. ID	OJ000313_06.0419.C24
Gene No.	118380	Strand	-
Start	9126	End	9245
Name	OJ000313_06.0419.C24.o2.np	Method	AAT/NAP
Start	9126	End	9242
GI	7487184	Score	158
Exons	9126..9242		
GI Descrip.	hypothetical protein T19K4.210 - Arabidopsis thaliana gi|3036812|emb|CAA18502.1| (AL022373) ATM-like protein [Arabidopsis thaliana]		
Seq. No.	56585	Seq. ID	OJ000313_06.0419.C25
Gene No.	118381	Strand	-
Start	1	End	4425
Name	OJ000313_06.0419.C25.o1.gp	Method	AAT/GAP
Start	1	End	764
GI	10061_1.R1084	Score	940
Exons	1..50, 141..301, 379..764		
GI Descrip.	'4454038/emb|CAA23035.1| 4.0e-29 (AL035394) putative disease resistance response protein [Arabidopsis thaliana]'		
Seq. No.	56585	Seq. ID	OJ000313_06.0419.C25
Gene No.	118381	Strand	-
Start	1	End	4425
Name	OJ000313_06.0419.C25.o1.np	Method	AAT/NAP
Start	1	End	4425
GI	7486992	Score	3777
Exons	1..59, 149..301, 379..781, 889..1167, 1334..1765, 2411..2739, 2782..2875, 2971..3261, 3334..3594, 3686..4425		
GI Descrip.	hypothetical protein T13L16.5 - Arabidopsis thaliana gi|6598526|gb|AAD20114.2| (AC006201) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	56585	Seq. ID	OJ000313_06.0419.C25
Gene No.	118381	Strand	-
Start	1	End	4425
Name	OJ000313_06.0419.C25.o1.ts	Method	TBLASTX:Soybean
Start	147	End	1667
GI	none	Score	72

Exons	147..227, 148..243, 219..302, 220..327, 380..784, 381..785, 605..808, 717..791, 883..1170, 887..1201, 960..1205, 1333..1473, 1334..1639, 1334..1666, 1530..1667		
Seq. No.	56585	Seq. ID	OJ000313_06.0419.C25
Gene No.	118381	Strand	-
Start	1	End	4425
Name	OJ000313_06.0419.C25.o4.tm	Method	TBLASTX:Maize
Start	147	End	431
GI	none	Score	243
Exons	147..302, 148..318, 218..307, 377..427, 380..430, 381..431		
Seq. No.	56585	Seq. ID	OJ000313_06.0419.C25
Gene No.	118381	Strand	-
Start	1	End	4425
Name	OJ000313_06.0419.C25.o1.gs	Method	GENSCAN
Start	153	End	4294
GI	none	Score	.9
Exons	153..301, 379..781, 889..1167, 1334..1765, 2411..2875, 2971..3261, 3334..3594, 3686..4294		
Seq. No.	56585	Seq. ID	OJ000313_06.0419.C25
Gene No.	118381	Strand	-
Start	1	End	4425
Name	OJ000313_06.0419.C25.o1.tc	Method	TBLASTX:Cress
Start	180	End	906
GI	none	Score	128
Exons	180..302, 181..318, 380..784, 381..782, 608..784, 639..791, 718..795, 883..906		
Seq. No.	56585	Seq. ID	OJ000313_06.0419.C25
Gene No.	118381	Strand	-
Start	1	End	4425
Name	OJ000313_06.0419.C25.o3.tm	Method	TBLASTX:Maize
Start	433	End	737
GI	none	Score	433
Exons	433..558, 434..736, 435..737		
Seq. No.	56585	Seq. ID	OJ000313_06.0419.C25
Gene No.	118381	Strand	-
Start	1	End	4425
Name	OJ000313_06.0419.C25.o2.tm	Method	TBLASTX:Maize
Start	913	End	2741
GI	none	Score	370
Exons	913..1170, 914..1168, 917..1171, 1332..1766, 1332..1763, 1333..1764, 1334..1768, 1498..1770, 2408..2740, 2411..2731, 2424..2741		
Seq. No.	56585	Seq. ID	OJ000313_06.0419.C25
Gene No.	118381	Strand	-
Start	1	End	4425
Name	OJ000313_06.0419.C25.o2.tc	Method	TBLASTX:Cress
Start	1334	End	1537
GI	none	Score	140
Exons	1334..1537, 1334..1531		
Seq. No.	56585	Seq. ID	OJ000313_06.0419.C25

Gene No.	118381	Strand	-
Start	1	End	4425
Name	OJ000313_06.0419.C25.o3.ts	Method	TBLASTX:Soybean
Start	2519	End	2881
GI	none	Score	57
Exons	2519..2746, 2604..2663, 2661..2747, 2801..2878, 2805..2876, 2813..2881		

Seq. No.	56585	Seq. ID	OJ000313_06.0419.C25
Gene No.	118381	Strand	-
Start	1	End	4425
Name	OJ000313_06.0419.C25.o2.ts	Method	TBLASTX:Soybean
Start	2995	End	3231
GI	none	Score	190
Exons	2995..3231, 2999..3229		

Seq. No.	56585	Seq. ID	OJ000313_06.0419.C25
Gene No.	118381	Strand	-
Start	1	End	4425
Name	OJ000313_06.0419.C25.o1.tm	Method	TBLASTX:Maize
Start	3010	End	3797
GI	none	Score	364
Exons	3010..3270, 3011..3262, 3012..3275, 3013..3270, 3323..3595, 3331..3600, 3334..3597, 3684..3797, 3686..3790		

Seq. No.	56585	Seq. ID	OJ000313_06.0419.C25
Gene No.	118381	Strand	-
Start	1	End	4425
Name	OJ000313_06.0419.C25.o2.gp	Method	AAT/GAP
Start	3010	End	3898
GI	31373_1.R1084	Score	1401
Exons	3010..3261, 3334..3594, 3686..3898		
GI Descrip.	'2708741 1.0e-106 (AC003952) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	56586	Seq. ID	OJ000313_06.0419.C26
Gene No.	118382	Strand	-
Start	1	End	6422
Name	OJ000313_06.0419.C26.o1.np	Method	AAT/NAP
Start	1	End	6422
GI	7486992	Score	3986
Exons	1..278, 346..749, 1063..1419, 1545..1805, 2197..2844, 2934..3155, 3250..3471, 3563..3712, 4442..4814, 5170..5392, 5870..6128, 6288..6422		
GI Descrip.	hypothetical protein T13L16.5 - Arabidopsis thaliana gi|6598526|gb|AAD20114.2| (AC006201) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56586	Seq. ID	OJ000313_06.0419.C26
Gene No.	118382	Strand	-
Start	1	End	6422
Name	OJ000313_06.0419.C26.o1.gs	Method	GENSCAN
Start	101	End	6416
GI	none	Score	.93
Exons	101..278, 346..749, 1063..1419, 1545..1805, 2197..2844, 2934..3155, 3250..3471, 4442..4814, 5170..5392, 5870..6128, 6288..6416		

Seq. No.	56587	Seq. ID	OJ000313_06.0419.C27
Gene No.	118383	Strand	-
Start	1	End	2189
Name	OJ000313_06.0419.C27.o1.np	Method	AAT/NAP
Start	1	End	2189
GI	7486992	Score	1056
Exons	1..53, 951..2189		
GI Descrip.	hypothetical protein T13L16.5 - Arabidopsis thaliana gi|6598526|gb|AAD20114.2| (AC006201) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56588	Seq. ID	OJ000303_07.0419.C3
Gene No.	118384	Strand	+
Start	1	End	1163
Name	OJ000303_07.0419.C3.o1.gp	Method	AAT/GAP
Start	1	End	972
GI	15818_1.R1084	Score	1036
Exons	1..22, 247..489, 672..972		
GI Descrip.	'4572671/gb|AAD23886.1|AC006954_7 2.0e-82 (AC006954) putative cyclic nucleotide regulated ion channel [Arabidopsis thaliana]'		

Seq. No.	56588	Seq. ID	OJ000303_07.0419.C3
Gene No.	118384	Strand	+
Start	1	End	1163
Name	OJ000303_07.0419.C3.o1.np	Method	AAT/NAP
Start	215	End	1163
GI	7269936	Score	974
Exons	215..489, 672..1163		
GI Descrip.	(AL161576) cyclic nucleotide and calmodulin-regulated ion channel-like protein [Arabidopsis thaliana]		

Seq. No.	56588	Seq. ID	OJ000303_07.0419.C3
Gene No.	118384	Strand	+
Start	1	End	1163
Name	OJ000303_07.0419.C3.o1.gs	Method	GENSCAN
Start	253	End	1060
GI	none	Score	.6
Exons	253..489, 672..1060		

Seq. No.	56588	Seq. ID	OJ000303_07.0419.C3
Gene No.	118385	Strand	+
Start	1090	End	1163
Name	OJ000303_07.0419.C3.o1.tm	Method	TBLASTX:Maize
Start	196	End	1163
GI	none	Score	401
Exons	196..492, 250..492, 251..493, 252..503, 669..1163, 671..1162		

Seq. No.	56588	Seq. ID	OJ000303_07.0419.C3
Gene No.	118385	Strand	+
Start	1090	End	1163
Name	OJ000303_07.0419.C3.o1.tc	Method	TBLASTX:Cress
Start	217	End	1159
GI	none	Score	269
Exons	217..492, 223..402, 666..1157, 666..923, 671..1159		

Seq. No.	56588	Seq. ID	OJ000303_07.0419.C3

Gene No.	118385	Strand	+
Start	1090	End	1163
Name	OJ000303_07.0419.C3.o1.ts	Method	TBLASTX:Soybean
Start	248	End	1162
GI	none	Score	139
Exons	248..481, 249..482, 250..492,	250..489,	665..1162, 669..1160

Seq. No.	56588	Seq. ID	OJ000303_07.0419.C3
Gene No.	118385	Strand	+
Start	1090	End	1163
Name	OJ000303_07.0419.C3.o1.tw	Method	TBLASTX:Wheat
Start	340	End	869
GI	none	Score	155
Exons	340..492, 381..491, 669..869,	671..856	

Seq. No.	56588	Seq. ID	OJ000303_07.0419.C3
Gene No.	118385	Strand	+
Start	1090	End	1163
Name	OJ000303_07.0419.C3.o2.gp	Method	AAT/GAP
Start	1090	End	1163
GI	18479_1.R1084	Score	140
Exons	1090..1163		
GI Descrip.	'4572671/gb|AAD23886.1|AC006954_7 1.0e-11 (AC006954) putative cyclic nucleotide regulated ion channel [Arabidopsis thaliana]'		

Seq. No.	56589	Seq. ID	OJ000303_07.0419.C4
Gene No.	118386	Strand	+
Start	1	End	1686
Name	OJ000303_07.0419.C4.o2.np	Method	AAT/NAP
Start	1	End	1086
GI	4680186	Score	226
Exons	1..69, 882..1086		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	56589	Seq. ID	OJ000303_07.0419.C4
Gene No.	118386	Strand	+
Start	1	End	1686
Name	OJ000303_07.0419.C4.o1.np	Method	AAT/NAP
Start	729	End	1686
GI	5852180	Score	47
Exons	729..840, 1663..1686		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	56589	Seq. ID	OJ000303_07.0419.C4
Gene No.	118386	Strand	+
Start	1	End	1686
Name	OJ000303_07.0419.C4.o1.gs	Method	GENSCAN
Start	1057	End	1600
GI	none	Score	.4
Exons	1057..1114, 1473..1600		

Seq. No.	56589	Seq. ID	OJ000303_07.0419.C4
Gene No.	118387	Strand	-
Start	631	End	1015
Name	OJ000303_07.0419.C4.o1.gp	Method	AAT/GAP
Start	631	End	1015
GI	uC-osflcyp033a04b1	Score	682

Exons	631..1015		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	56589	Seq. ID	OJ000303_07.0419.C4
Gene No.	118388	Strand	-
Start	1472	End	1686
Name	OJ000303_07.0419.C4.o3.np	Method	AAT/NAP
Start	1472	End	1686
GI	6907087	Score	136
Exons	1472..1573, 1648..1686		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	56590	Seq. ID	OJ000303_07.0419.C5
Gene No.	118389	Strand	-
Start	1	End	640
Name	OJ000303_07.0419.C5.o1.np	Method	AAT/NAP
Start	1	End	640
GI	6907087	Score	674
Exons	1..49, 258..640		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	56591	Seq. ID	OJ000303_07.0419.C7
Gene No.	118390	Strand	-
Start	1	End	787
Name	OJ000303_07.0419.C7.o1.np	Method	AAT/NAP
Start	1	End	787
GI	480672	Score	360
Exons	1..47, 130..252, 561..638, 717..787		
GI Descrip.	NADPH--ferrihemoprotein reductase (EC 1.6.2.4) - spring vetch gi|400532|emb|CAA81211.1| (Z26252) NADPH-ferrihemoprotein reductase [Vicia sativa]		
Seq. No.	56591	Seq. ID	OJ000303_07.0419.C7
Gene No.	118390	Strand	-
Start	1	End	787
Name	OJ000303_07.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	1	End	785
GI	none	Score	41
Exons	1..48, 3..50, 10..51, 118..252, 119..211, 559..645, 561..641, 571..645, 715..741, 717..785		
Seq. No.	56591	Seq. ID	OJ000303_07.0419.C7
Gene No.	118390	Strand	-
Start	1	End	787
Name	OJ000303_07.0419.C7.o1.tw	Method	TBLASTX:Wheat
Start	1	End	600
GI	none	Score	63
Exons	1..48, 2..49, 3..50, 3..50, 118..246, 119..211, 547..600, 552..599		
Seq. No.	56591	Seq. ID	OJ000303_07.0419.C7
Gene No.	118390	Strand	-

Start	1	End	787
Name	OJ000303_07.0419.C7.o1.tc	Method	TBLASTX:Cress
Start	3	End	785
GI	none	Score	91
Exons	3..50, 118..252, 119..214, 559..639, 561..641, 717..785		

Seq. No.	56591	Seq. ID	OJ000303_07.0419.C7
Gene No.	118390	Strand	-
Start	1	End	787
Name	OJ000303_07.0419.C7.o1.ts	Method	TBLASTX:Soybean
Start	3	End	785
GI	none	Score	100
Exons	3..50, 118..252, 119..214, 559..645, 561..641, 715..741, 717..785		

Seq. No.	56591	Seq. ID	OJ000303_07.0419.C7
Gene No.	118390	Strand	-
Start	1	End	787
Name	OJ000303_07.0419.C7.o1.gs	Method	GENSCAN
Start	130	End	638
GI	none	Score	.97
Exons	130..252, 561..638		

Seq. No.	56592	Seq. ID	OJ000303_07.0419.C11
Gene No.	118391	Strand	+
Start	51	End	356
Name	OJ000303_07.0419.C11.o1.gp	Method	AAT/GAP
Start	51	End	330
GI	3107308	Score	544
Exons	51..330		

Seq. No.	56592	Seq. ID	OJ000303_07.0419.C11
Gene No.	118391	Strand	+
Start	51	End	356
Name	OJ000303_07.0419.C11.o1.gs	Method	GENSCAN
Start	229	End	356
GI	none	Score	.49
Exons	229..356		

Seq. No.	56592	Seq. ID	OJ000303_07.0419.C11
Gene No.	118392	Strand	-
Start	1669	End	2445
Name	OJ000303_07.0419.C11.o1.tm	Method	TBLASTX:Maize
Start	1656	End	2025
GI	none	Score	123
Exons	1656..1778, 1671..1799, 1672..2025, 1673..1969, 1864..1980		

Seq. No.	56592	Seq. ID	OJ000303_07.0419.C11
Gene No.	118392	Strand	-
Start	1669	End	2445
Name	OJ000303_07.0419.C11.o2.gs	Method	GENSCAN
Start	1669	End	2391
GI	none	Score	.92
Exons	1669..2391		

Seq. No.	56592	Seq. ID	OJ000303_07.0419.C11
Gene No.	118392	Strand	-

Start	1669	End	2445
Name	OJ000303_07.0419.C11.o1.np	Method	AAT/NAP
Start	1702	End	2445
GI	7288017	Score	229
Exons	1702..2149, 2194..2325, 2353..2445		
GI Descrip.	(AL132971) putative protein [Arabidopsis thaliana]		

Seq. No.	56592	Seq. ID	OJ000303_07.0419.C11
Gene No.	118392	Strand	-
Start	1669	End	2445
Name	OJ000303_07.0419.C11.o1.ts	Method	TBLASTX:Soybean
Start	1762	End	1965
GI	none	Score	150
Exons	1762..1965, 1763..1963		

Seq. No.	56593	Seq. ID	OJ000303_07.0419.C12
Gene No.	118393	Strand	-
Start	1821	End	2039
Name	OJ000303_07.0419.C12.o1.gs	Method	GENSCAN
Start	1821	End	2039
GI	none	Score	.72
Exons	1821..2039		

Seq. No.	56594	Seq. ID	OJ000303_07.0419.C13
Gene No.	118394	Strand	+
Start	109	End	334
Name	OJ000303_07.0419.C13.o1.gp	Method	AAT/GAP
Start	109	End	334
GI	2312838	Score	77
Exons	109..187, 315..334		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	56594	Seq. ID	OJ000303_07.0419.C13
Gene No.	118395	Strand	-
Start	35	End	295
Name	OJ000303_07.0419.C13.o1.gs	Method	GENSCAN
Start	35	End	295
GI	none	Score	.58
Exons	35..295		

Seq. No.	56595	Seq. ID	OJ000303_07.0419.C14
Gene No.	118396	Strand	+
Start	279	End	1517
Name	OJ000303_07.0419.C14.o1.gs	Method	GENSCAN
Start	279	End	1517
GI	none	Score	.8
Exons	279..281, 873..1517		

Seq. No.	56595	Seq. ID	OJ000303_07.0419.C14
Gene No.	118397	Strand	-
Start	33	End	1424
Name	OJ000303_07.0419.C14.o1.gp	Method	AAT/GAP
Start	33	End	1424
GI	22663_1.R1084	Score	961
Exons	33..310, 1187..1424		
GI Descrip.	'5725430/emb|CAB52439.1| 7.0e-11 (AL109787) stress responsive		

protein homolog [Arabidopsis thaliana]'

Seq. No.	56595	Seq. ID	OJ000303_07.0419.C14
Gene No.	118397	Strand	-
Start	33	End	1424
Name	OJ000303_07.0419.C14.o1.np	Method	AAT/NAP
Start	179	End	1276
GI	5725430	Score	170
Exons	179..310, 1187..1276		
GI Descrip.	(AL109787) stress responsive protein homolog [Arabidopsis thaliana] gi|7269967|emb|CAB79784.1| (AL161577) stress responsive protein homolog [Arabidopsis thaliana]		

Seq. No.	56595	Seq. ID	OJ000303_07.0419.C14
Gene No.	118398	Strand	-
Start	2251	End	2330
Name	OJ000303_07.0419.C14.o1.tw	Method	TBLASTX:Wheat
Start	167	End	1288
GI	none	Score	141
Exons	167..310, 185..310, 1184..1273, 1188..1268, 1241..1288		

Seq. No.	56595	Seq. ID	OJ000303_07.0419.C14
Gene No.	118398	Strand	-
Start	2251	End	2330
Name	OJ000303_07.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	179	End	1280
GI	none	Score	152
Exons	179..310, 179..313, 1184..1279, 1188..1280		

Seq. No.	56595	Seq. ID	OJ000303_07.0419.C14
Gene No.	118398	Strand	-
Start	2251	End	2330
Name	OJ000303_07.0419.C14.o2.gs	Method	GENSCAN
Start	2251	End	2330
GI	none	Score	.8
Exons	2251..2330		

Seq. No.	56596	Seq. ID	OJ000303_07.0419.C15
Gene No.	118399	Strand	-
Start	1075	End	1129
Name	OJ000303_07.0419.C15.o1.gs	Method	GENSCAN
Start	1075	End	1129
GI	none	Score	.75
Exons	1075..1129		

Seq. No.	56597	Seq. ID	OJ000303_07.0419.C16
Gene No.	118400	Strand	+
Start	69	End	2238
Name	OJ000303_07.0419.C16.o1.gs	Method	GENSCAN
Start	69	End	1440
GI	none	Score	.78
Exons	69..231, 447..510, 1081..1189, 1290..1440		

Seq. No.	56597	Seq. ID	OJ000303_07.0419.C16
Gene No.	118400	Strand	+
Start	69	End	2238
Name	OJ000303_07.0419.C16.o1.np	Method	AAT/NAP

Start	447	End	2238
GI	7488279	Score	418
Exons	447..510, 1081..1189, 1290..1440, 2123..2238		
GI Descrip.	protein phosphatase 2C homolog F11C18.60 - Arabidopsis thaliana gi|4584525|emb|CAB40756.1| (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana] gi|7270089|emb|CAB79904.1| (AL161579) protein phosphatase 2C-like protein [Arabidopsis thaliana]		

Seq. No.	56597	Seq. ID	OJ000303_07.0419.C16
Gene No.	118400	Strand	+
Start	69	End	2238
Name	OJ000303_07.0419.C16.o1.tm	Method	TBLASTX:Maize
Start	447	End	2238
GI	none	Score	83
Exons	447..515, 1079..1198, 1080..1190, 1284..1394, 1285..1431, 2120..2224, 2123..2236, 2125..2238		

Seq. No.	56597	Seq. ID	OJ000303_07.0419.C16
Gene No.	118400	Strand	+
Start	69	End	2238
Name	OJ000303_07.0419.C16.o1.ts	Method	TBLASTX:Soybean
Start	447	End	2238
GI	none	Score	99
Exons	447..515, 458..514, 467..547, 1079..1198, 1080..1190, 1284..1394, 1288..1440, 2141..2236, 2141..2221, 2146..2238		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118401	Strand	+
Start	1	End	1550
Name	OJ000303_07.0419.C17.o1.gp	Method	AAT/GAP
Start	1	End	1550
GI	12464_1.R1084	Score	1201
Exons	1..73, 156..232, 315..367, 869..924, 1042..1550		
GI Descrip.	'3482967/emb|CAA20523.1| 2.0e-36 (AL031369) Protein phosphatase 2C-like protein [Arabidopsis thaliana] >gi_4559345_gb_AAD23006.1_AC006585_1 (AC006585) protein phosphatase 2C [Arabidopsis thaliana]'		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118401	Strand	+
Start	1	End	1550
Name	OJ000303_07.0419.C17.o1.np	Method	AAT/NAP
Start	1	End	1224
GI	4559345	Score	361
Exons	1..73, 156..232, 315..367, 869..923, 1042..1224		
GI Descrip.	(AC006585) putative protein phosphatase 2C [Arabidopsis thaliana]		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118401	Strand	+
Start	1	End	1550
Name	OJ000303_07.0419.C17.o1.gs	Method	GENSCAN
Start	291	End	1221
GI	none	Score	.77
Exons	291..367, 869..923, 1042..1221		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118402	Strand	+
Start	2923	End	3429
Name	OJ000303_07.0419.C17.o2.gp	Method	AAT/GAP
Start	2923	End	3429
GI	24200_1.R1084	Score	975
Exons	2923..3429		
GI Descrip.	'4115377 1.0e-14 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118403	Strand	-
Start	1780	End	7422
Name	OJ000303_07.0419.C17.o2.gs	Method	GENSCAN
Start	1780	End	6736
GI	none	Score	.43
Exons	1780..2126, 2218..2511, 2525..2689, 3350..4439, 4558..4711, 4805..4917, 5011..5113, 5185..5294, 5389..5553, 6632..6736		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118403	Strand	-
Start	1780	End	7422
Name	OJ000303_07.0419.C17.o3.np	Method	AAT/NAP
Start	3285	End	7422
GI	4115377	Score	2408
Exons	3285..4439, 4558..4711, 4805..4917, 5011..5113, 5185..5294, 5389..5580, 6597..6684, 7368..7422		
GI Descrip.	(AC005967) putative multispanning membrane protein [Arabidopsis thaliana]		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118403	Strand	-
Start	1780	End	7422
Name	OJ000303_07.0419.C17.o3.gp	Method	AAT/GAP
Start	3413	End	4172
GI	26400_1.R1084	Score	1440
Exons	3413..4172		
GI Descrip.	'4115377 1.0e-84 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118403	Strand	-
Start	1780	End	7422
Name	OJ000303_07.0419.C17.o4.gp	Method	AAT/GAP
Start	4276	End	5116
GI	uC-osrocyp004g06b1	Score	998
Exons	4276..4439, 4558..4711, 4805..4917, 5011..5116		
GI Descrip.	'4115377 1.0e-70 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118403	Strand	-
Start	1780	End	7422
Name	OJ000303_07.0419.C17.o5.gp	Method	AAT/GAP
Start	5233	End	6876
GI	25271_1.R1084	Score	836
Exons	5233..5294, 5389..5553, 6632..6876		

GI Descrip. '4115377 5.0e-30 (AC005967) unknown protein [Arabidopsis thaliana]'

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118404	Strand	-
Start	10388	End	10684
Name	OJ000303_07.0419.C17.o3.tm	Method	TBLASTX:Maize
Start	1	End	1154
GI	none	Score	93
Exons	1..75, 3..74, 154..246, 155..250, 315..368, 338..364, 870..923, 1042..1107, 1101..1154, 1102..1140		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118404	Strand	-
Start	10388	End	10684
Name	OJ000303_07.0419.C17.o4.ts	Method	TBLASTX:Soybean
Start	1	End	1140
GI	none	Score	100
Exons	1..75, 3..74, 15..80, 154..246, 155..247, 315..368, 315..371, 870..917, 1036..1095, 1096..1140		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118404	Strand	-
Start	10388	End	10684
Name	OJ000303_07.0419.C17.o5.tc	Method	TBLASTX:Cress
Start	1924	End	2308
GI	none	Score	92
Exons	1924..2031, 2026..2124, 2225..2308		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118404	Strand	-
Start	10388	End	10684
Name	OJ000303_07.0419.C17.o2.ts	Method	TBLASTX:Soybean
Start	1963	End	2498
GI	none	Score	173
Exons	1963..2127, 1970..2125, 2217..2318, 2219..2314, 2400..2498		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118404	Strand	-
Start	10388	End	10684
Name	OJ000303_07.0419.C17.o2.tm	Method	TBLASTX:Maize
Start	2018	End	2440
GI	none	Score	140
Exons	2018..2119, 2020..2121, 2023..2127, 2217..2360, 2219..2314, 2384..2440		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118404	Strand	-
Start	10388	End	10684
Name	OJ000303_07.0419.C17.o1.tm	Method	TBLASTX:Maize
Start	3117	End	5556
GI	none	Score	67
Exons	3117..3197, 3125..3196, 3282..4235, 3282..3572, 3496..3579, 3503..3844, 3622..4440, 3624..4439, 3646..4446, 4281..4445, 4556..4675, 4557..4682, 4569..4700, 4570..4713, 4577..4714, 4789..4926, 4805..4927, 5011..5061, 5011..5055, 5018..5062, 5055..5111, 5065..5112, 5067..5117, 5185..5277, 5240..5278,		

5360..5551, 5377..5556, 5377..5550

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118404	Strand	-
Start	10388	End	10684
Name	OJ000303_07.0419.C17.o1.tc	Method	TBLASTX:Cress
Start	3258	End	3900
GI	none	Score	98
Exons	3258..3434, 3276..3572, 3280..3573, 3491..3766, 3622..3900, 3624..3899		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118404	Strand	-
Start	10388	End	10684
Name	OJ000303_07.0419.C17.o1.ts	Method	TBLASTX:Soybean
Start	3273	End	5055
GI	none	Score	61
Exons	3273..3434, 3274..3579, 3279..3572, 3483..4232, 3490..3579, 3491..3847, 3624..4439, 3631..4440, 4284..4445, 4370..4441, 4557..4691, 4558..4710, 4570..4713, 4577..4714, 4805..4954, 4807..4926, 5011..5055		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118404	Strand	-
Start	10388	End	10684
Name	OJ000303_07.0419.C17.o1.tw	Method	TBLASTX:Wheat
Start	3876	End	4208
GI	none	Score	104
Exons	3876..3986, 3990..4208, 3997..4200		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118404	Strand	-
Start	10388	End	10684
Name	OJ000303_07.0419.C17.o2.tc	Method	TBLASTX:Cress
Start	3900	End	4232
GI	none	Score	323
Exons	3900..4232, 3901..4230, 3903..4232		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118404	Strand	-
Start	10388	End	10684
Name	OJ000303_07.0419.C17.o4.tc	Method	TBLASTX:Cress
Start	4243	End	4450
GI	none	Score	155
Exons	4243..4365, 4266..4439, 4273..4440, 4284..4445, 4307..4450		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118404	Strand	-
Start	10388	End	10684
Name	OJ000303_07.0419.C17.o3.tc	Method	TBLASTX:Cress
Start	4570	End	6670
GI	none	Score	76
Exons	4570..4671, 4577..4678, 4805..4927, 4807..4926, 5011..5064, 5068..5112, 5184..5294, 5381..5554, 5392..5556, 5393..5575, 5401..5556, 6632..6670		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17

Gene No.	118404	Strand	-
Start	10388	End	10684
Name	OJ000303_07.0419.C17.o3.ts	Method	TBLASTX:Soybean
Start	5068	End	5563
GI	none	Score	92
Exons	5068..5112, 5184..5294, 5373..5555, 5381..5560, 5385..5555, 5389..5562, 5390..5563		

Seq. No.	56598	Seq. ID	OJ000303_07.0419.C17
Gene No.	118404	Strand	-
Start	10388	End	10684
Name	OJ000303_07.0419.C17.o3.gs	Method	GENSCAN
Start	10388	End	10684
GI	none	Score	.82
Exons	10388..10684		

Seq. No.	56599	Seq. ID	OJ000303_07.0419.C18
Gene No.	118405	Strand	+
Start	157	End	6643
Name	OJ000303_07.0419.C18.o1.gs	Method	GENSCAN
Start	157	End	6643
GI	none	Score	.47
Exons	157..1424, 1476..1567, 1640..1765, 1847..2021, 2082..2313, 3571..3709, 5134..5267, 5276..6181, 6572..6643		

Seq. No.	56599	Seq. ID	OJ000303_07.0419.C18
Gene No.	118405	Strand	+
Start	157	End	6643
Name	OJ000303_07.0419.C18.o1.np	Method	AAT/NAP
Start	5286	End	6232
GI	4115382	Score	1035
Exons	5286..6232		
GI Descrip.	(AC005967) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56599	Seq. ID	OJ000303_07.0419.C18
Gene No.	118406	Strand	+
Start	7635	End	7825
Name	OJ000303_07.0419.C18.o2.tm	Method	TBLASTX:Maize
Start	731	End	1010
GI	none	Score	237
Exons	731..874, 733..876, 733..879, 829..1008, 865..1008, 876..1010		

Seq. No.	56599	Seq. ID	OJ000303_07.0419.C18
Gene No.	118406	Strand	+
Start	7635	End	7825
Name	OJ000303_07.0419.C18.o1.tc	Method	TBLASTX:Cress
Start	1069	End	1454
GI	none	Score	156
Exons	1069..1203, 1069..1296, 1203..1304, 1213..1320, 1247..1330, 1321..1452, 1362..1454		

Seq. No.	56599	Seq. ID	OJ000303_07.0419.C18
Gene No.	118406	Strand	+
Start	7635	End	7825
Name	OJ000303_07.0419.C18.o2.ts	Method	TBLASTX:Soybean
Start	1428	End	1659
GI	none	Score	89

Exons	1428..1487, 1429..1485, 1491..1655, 1492..1659		
Seq. No.	56599	Seq. ID	OJ000303_07.0419.C18
Gene No.	118406	Strand	+
Start	7635	End	7825
Name	OJ000303_07.0419.C18.o1.tm	Method	TBLASTX:Maize
Start	1455	End	1853
GI	none	Score	527
Exons	1455..1772, 1456..1773, 1761..1853, 1771..1851		
Seq. No.	56599	Seq. ID	OJ000303_07.0419.C18
Gene No.	118406	Strand	+
Start	7635	End	7825
Name	OJ000303_07.0419.C18.o2.tc	Method	TBLASTX:Cress
Start	1992	End	2331
GI	none	Score	280
Exons	1992..2255, 1993..2256, 2275..2331		
Seq. No.	56599	Seq. ID	OJ000303_07.0419.C18
Gene No.	118406	Strand	+
Start	7635	End	7825
Name	OJ000303_07.0419.C18.o4.ts	Method	TBLASTX:Soybean
Start	2091	End	2339
GI	none	Score	229
Exons	2091..2339, 2092..2337		
Seq. No.	56599	Seq. ID	OJ000303_07.0419.C18
Gene No.	118406	Strand	+
Start	7635	End	7825
Name	OJ000303_07.0419.C18.o1.tw	Method	TBLASTX:Wheat
Start	2163	End	2501
GI	none	Score	119
Exons	2163..2339, 2166..2330, 2167..2340, 2167..2346, 2168..2356, 2353..2385, 2374..2397, 2463..2501		
Seq. No.	56599	Seq. ID	OJ000303_07.0419.C18
Gene No.	118406	Strand	+
Start	7635	End	7825
Name	OJ000303_07.0419.C18.o1.ts	Method	TBLASTX:Soybean
Start	5429	End	5902
GI	none	Score	193
Exons	5429..5743, 5437..5514, 5593..5739, 5788..5889, 5789..5902		
Seq. No.	56599	Seq. ID	OJ000303_07.0419.C18
Gene No.	118406	Strand	+
Start	7635	End	7825
Name	OJ000303_07.0419.C18.o3.tc	Method	TBLASTX:Cress
Start	5708	End	6148
GI	none	Score	101
Exons	5708..5902, 5942..6148, 5944..6129		
Seq. No.	56599	Seq. ID	OJ000303_07.0419.C18
Gene No.	118406	Strand	+
Start	7635	End	7825
Name	OJ000303_07.0419.C18.o3.ts	Method	TBLASTX:Soybean
Start	5906	End	6193
GI	none	Score	251

Exons	5906..6193, 5971..6192		
Seq. No.	56599	Seq. ID	OJ000303_07.0419.C18
Gene No.	118406	Strand	+
Start	7635	End	7825
Name	OJ000303_07.0419.C18.o2.gs	Method	GENSCAN
Start	7635	End	7825
GI	none	Score	.98
Exons	7635..7825		
Seq. No.	56600	Seq. ID	OJ000303_07.0419.C19
Gene No.	118407	Strand	+
Start	889	End	1313
Name	OJ000303_07.0419.C19.o1.gs	Method	GENSCAN
Start	889	End	1313
GI	none	Score	.69
Exons	889..936, 1251..1313		
Seq. No.	56600	Seq. ID	OJ000303_07.0419.C19
Gene No.	118408	Strand	-
Start	294	End	732
Name	OJ000303_07.0419.C19.o1.gp	Method	AAT/GAP
Start	294	End	732
GI	LIB3431-058-P1-K1-H5	Score	840
Exons	294..732		
GI Descrip.	'4959460/gb|AF126053.1|AF126053 9.0e-09 Zea mays RACB small GTP binding protein mRNA, complete cds'		
Seq. No.	56600	Seq. ID	OJ000303_07.0419.C19
Gene No.	118409	Strand	-
Start	993	End	1585
Name	OJ000303_07.0419.C19.o2.gp	Method	AAT/GAP
Start	993	End	1585
GI	none	Score	1179
Exons	993..1585		
Seq. No.	56600	Seq. ID	OJ000303_07.0419.C19
Gene No.	118410	Strand	-
Start	2490	End	4567
Name	OJ000303_07.0419.C19.o2.gs	Method	GENSCAN
Start	2490	End	4567
GI	none	Score	.5
Exons	2490..2677, 3330..3840, 3867..4051, 4099..4567		
Seq. No.	56600	Seq. ID	OJ000303_07.0419.C19
Gene No.	118411	Strand	-
Start	6795	End	7582
Name	OJ000303_07.0419.C19.o3.gs	Method	GENSCAN
Start	6795	End	7582
GI	none	Score	.98
Exons	6795..6922, 7267..7582		
Seq. No.	56601	Seq. ID	OJ000303_07.0419.C20
Gene No.	118412	Strand	-
Start	1133	End	1317
Name	OJ000303_07.0419.C20.o1.np	Method	AAT/NAP
Start	926	End	1009

GI	5852084	Score	83
Exons	926..1009		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	56601	Seq. ID	OJ000303_07.0419.C20
Gene No.	118412	Strand	-
Start	1133	End	1317
Name	OJ000303_07.0419.C20.o1.gs	Method	GENSCAN
Start	1133	End	1317
GI	none	Score	.96
Exons	1133..1317		

Seq. No.	56602	Seq. ID	OJ000303_07.0419.C21
Gene No.	118413	Strand	-
Start	505	End	1672
Name	OJ000303_07.0419.C21.o1.gs	Method	GENSCAN
Start	505	End	1672
GI	none	Score	.99
Exons	505..1672		

Seq. No.	56603	Seq. ID	OJ000303_07.0419.C22
Gene No.	118414	Strand	+
Start	1810	End	4059
Name	OJ000303_07.0419.C22.o2.gs	Method	GENSCAN
Start	1810	End	4059
GI	none	Score	.88
Exons	1810..1830, 2087..2473, 2576..2747, 2800..3160, 3201..3315, 3405..3529, 3780..4059		

Seq. No.	56603	Seq. ID	OJ000303_07.0419.C22
Gene No.	118414	Strand	+
Start	1810	End	4059
Name	OJ000303_07.0419.C22.o1.gp	Method	AAT/GAP
Start	2065	End	2332
GI	2442811	Score	497
Exons	2065..2332		

Seq. No.	56603	Seq. ID	OJ000303_07.0419.C22
Gene No.	118415	Strand	-
Start	4350	End	5467
Name	OJ000303_07.0419.C22.o1.ts	Method	TBLASTX:Soybean
Start	2174	End	2689
GI	none	Score	65
Exons	2174..2218, 2261..2353, 2285..2392, 2290..2367, 2444..2479, 2452..2478, 2585..2689		

Seq. No.	56603	Seq. ID	OJ000303_07.0419.C22
Gene No.	118415	Strand	-
Start	4350	End	5467
Name	OJ000303_07.0419.C22.o2.tm	Method	TBLASTX:Maize
Start	3237	End	3834
GI	none	Score	49
Exons	3237..3275, 3280..3321, 3447..3530, 3447..3530, 3448..3531, 3601..3708, 3623..3694, 3756..3833, 3772..3834		

Seq. No.	56603	Seq. ID	OJ000303_07.0419.C22
Gene No.	118415	Strand	-

Start	4350	End	5467
Name	OJ000303_07.0419.C22.o2.gp	Method	AAT/GAP
Start	4350	End	4800
GI	69773_1.R1084	Score	618
Exons	4350..4623, 4736..4800		
GI Descrip.	'3309543 1.0e-12 (AF036382) MLL [Fugu rubripes]'		

Seq. No.	56603	Seq. ID	OJ000303_07.0419.C22
Gene No.	118415	Strand	-
Start	4350	End	5467
Name	OJ000303_07.0419.C22.o1.tm	Method	TBLASTX:Maize
Start	4481	End	5466
GI	none	Score	146
Exons	4481..4627, 4489..4611, 4490..4624, 4503..4625, 4724..4783, 4725..4781, 4733..4783, 4735..4809, 4878..5057, 4879..5058, 5148..5264, 5152..5268, 5155..5265, 5381..5458, 5404..5466		

Seq. No.	56603	Seq. ID	OJ000303_07.0419.C22
Gene No.	118415	Strand	-
Start	4350	End	5467
Name	OJ000303_07.0419.C22.o3.gs	Method	GENSCAN
Start	4489	End	5267
GI	none	Score	.96
Exons	4489..4623, 4878..5060, 5154..5267		

Seq. No.	56603	Seq. ID	OJ000303_07.0419.C22
Gene No.	118415	Strand	-
Start	4350	End	5467
Name	OJ000303_07.0419.C22.o1.np	Method	AAT/NAP
Start	4492	End	5218
GI	5123787	Score	204
Exons	4492..4623, 4736..4780, 4878..5060, 5154..5218		
GI Descrip.	(AJ007041) trithorax homologue 2 [Homo sapiens]		

Seq. No.	56603	Seq. ID	OJ000303_07.0419.C22
Gene No.	118415	Strand	-
Start	4350	End	5467
Name	OJ000303_07.0419.C22.o2.np	Method	AAT/NAP
Start	4492	End	5467
GI	4505197	Score	211
Exons	4492..4623, 4736..4780, 4878..5060, 5154..5218, 5358..5467		
GI Descrip.	myeloid/lymphoid or mixed-lineage leukemia 2 gi|2358285 (AF010403) ALR [Homo sapiens]		

Seq. No.	56604	Seq. ID	OJ000303_07.0419.C23
Gene No.	118416	Strand	-
Start	1	End	6109
Name	OJ000303_07.0419.C23.o1.np	Method	AAT/NAP
Start	1	End	5229
GI	7304241	Score	101
Exons	1..134, 411..462, 820..906, 982..1072, 5147..5229		
GI Descrip.	(AE003841) CG1845 gene product [Drosophila melanogaster]		

Seq. No.	56604	Seq. ID	OJ000303_07.0419.C23
Gene No.	118416	Strand	-
Start	1	End	6109
Name	OJ000303_07.0419.C23.o1.gs	Method	GENSCAN

Start	22	End	6109
GI	none	Score	.64
Exons	22..462, 823..906, 1596..1667, 1805..3263, 4157..4271, 4382..4564, 4897..5196, 5313..5381, 5890..6109		

Seq. No.	56604	Seq. ID	OJ000303_07.0419.C23
Gene No.	118416	Strand	-
Start	1	End	6109
Name	OJ000303_07.0419.C23.o1.tm	Method	TBLASTX:Maize
Start	86	End	1863
GI	none	Score	107
Exons	86..160, 88..162, 88..159, 157..213, 310..462, 310..462, 311..463, 820..915, 821..907, 979..1086, 980..1087, 983..1087, 1807..1863, 1807..1860		

Seq. No.	56605	Seq. ID	OJ000303_07.0419.C24
Gene No.	118417	Strand	+
Start	1	End	867
Name	OJ000303_07.0419.C24.o1.np	Method	AAT/NAP
Start	1	End	625
GI	7025861	Score	428
Exons	1..264, 377..625		
GI Descrip.	(AC024128) putative transporter [Arabidopsis thaliana]		

Seq. No.	56605	Seq. ID	OJ000303_07.0419.C24
Gene No.	118417	Strand	+
Start	1	End	867
Name	OJ000303_07.0419.C24.o1.tm	Method	TBLASTX:Maize
Start	57	End	586
GI	none	Score	221
Exons	57..263, 58..267, 177..284, 197..274, 359..586, 374..559, 382..585		

Seq. No.	56605	Seq. ID	OJ000303_07.0419.C24
Gene No.	118417	Strand	+
Start	1	End	867
Name	OJ000303_07.0419.C24.o1.gs	Method	GENSCAN
Start	62	End	601
GI	none	Score	.9
Exons	62..264, 377..601		

Seq. No.	56605	Seq. ID	OJ000303_07.0419.C24
Gene No.	118417	Strand	+
Start	1	End	867
Name	OJ000303_07.0419.C24.o1.gp	Method	AAT/GAP
Start	99	End	867
GI	50426_1.R1084	Score	1221
Exons	99..264, 377..867		
GI Descrip.	'3901268 6.0e-14 (AF060173) SV2 related protein [Rattus norvegicus]'		

Seq. No.	56606	Seq. ID	OJ000303_07.0419.C25
Gene No.	118418	Strand	+
Start	1	End	999
Name	OJ000303_07.0419.C25.o1.np	Method	AAT/NAP
Start	1	End	999
GI	7025863	Score	220

Exons	1..65, 144..214, 328..399, 524..595, 772..843, 935..999		
GI Descrip.	(AC024128) putative protein kinase, 3' partial [Arabidopsis thaliana]		
Seq. No.	56606	Seq. ID	OJ000303_07.0419.C25
Gene No.	118418	Strand	+
Start	1	End	999
Name	OJ000303_07.0419.C25.o1.gs	Method	GENSCAN
Start	144	End	403
GI	none	Score	.96
Exons	144..214, 328..403		
Seq. No.	56607	Seq. ID	OJ000303_07.0419.C26
Gene No.	118419	Strand	+
Start	1	End	2662
Name	OJ000303_07.0419.C26.o1.np	Method	AAT/NAP
Start	1	End	2662
GI	7489783	Score	835
Exons	1..294, 468..721, 980..1245, 1346..1466, 1552..1697, 1829..1985, 2522..2662		
GI Descrip.	leucine-rich repeat transmembrane protein kinase 1 - maize (fragment) gi|3360289|gb|AAC27894.1| (AF023164) leucine-rich repeat transmembrane protein kinase 1 [Zea mays]		
Seq. No.	56607	Seq. ID	OJ000303_07.0419.C26
Gene No.	118419	Strand	+
Start	1	End	2662
Name	OJ000303_07.0419.C26.o1.gs	Method	GENSCAN
Start	63	End	2656
GI	none	Score	.72
Exons	63..237, 450..721, 980..1245, 1346..1542, 1547..1697, 1829..1985, 2522..2656		
Seq. No.	56607	Seq. ID	OJ000303_07.0419.C26
Gene No.	118420	Strand	-
Start	3482	End	6275
Name	OJ000303_07.0419.C26.o4.tm	Method	TBLASTX:Maize
Start	428	End	1135
GI	none	Score	312
Exons	428..718, 447..731, 463..723, 976..1134, 983..1135, 983..1135		
Seq. No.	56607	Seq. ID	OJ000303_07.0419.C26
Gene No.	118420	Strand	-
Start	3482	End	6275
Name	OJ000303_07.0419.C26.o1.ts	Method	TBLASTX:Soybean
Start	1007	End	2601
GI	none	Score	206
Exons	1007..1246, 1030..1248, 1329..1454, 1346..1459, 1584..1697, 1585..1695, 1827..1985, 1844..1984, 2516..2587, 2524..2601		
Seq. No.	56607	Seq. ID	OJ000303_07.0419.C26
Gene No.	118420	Strand	-
Start	3482	End	6275
Name	OJ000303_07.0419.C26.o1.tc	Method	TBLASTX:Cress
Start	1028	End	1457
GI	none	Score	166
Exons	1028..1246, 1338..1457		

Seq. No.	56607	Seq. ID	OJ000303_07.0419.C26
Gene No.	118420	Strand	-
Start	3482	End	6275
Name	OJ000303_07.0419.C26.o1.tm	Method	TBLASTX:Maize
Start	1136	End	2658
GI	none	Score	166
Exons	1136..1246, 1136..1243, 1138..1248, 1138..1248, 1140..1274, 1316..1480, 1338..1481, 1346..1468, 1558..1695, 1558..1695, 1560..1697, 1822..1917, 1826..1981, 1827..1985, 2516..2656, 2524..2658		

Seq. No.	56607	Seq. ID	OJ000303_07.0419.C26
Gene No.	118420	Strand	-
Start	3482	End	6275
Name	OJ000303_07.0419.C26.o2.tc	Method	TBLASTX:Cress
Start	1820	End	2629
GI	none	Score	195
Exons	1820..1981, 1821..1985, 2516..2629, 2524..2613		

Seq. No.	56607	Seq. ID	OJ000303_07.0419.C26
Gene No.	118420	Strand	-
Start	3482	End	6275
Name	OJ000303_07.0419.C26.o2.tm	Method	TBLASTX:Maize
Start	3477	End	4020
GI	none	Score	70
Exons	3477..3536, 3484..3537, 3541..3633, 3543..3632, 3708..3794, 3708..3794, 3709..3810, 3774..3938, 3797..3928, 3929..3997, 3972..4019, 3973..4020		

Seq. No.	56607	Seq. ID	OJ000303_07.0419.C26
Gene No.	118420	Strand	-
Start	3482	End	6275
Name	OJ000303_07.0419.C26.o2.gs	Method	GENSCAN
Start	3482	End	6275
GI	none	Score	.73
Exons	3482..3634, 3732..3937, 4067..4427, 4840..5483, 5904..6006, 6081..6275		

Seq. No.	56607	Seq. ID	OJ000303_07.0419.C26
Gene No.	118420	Strand	-
Start	3482	End	6275
Name	OJ000303_07.0419.C26.o3.tm	Method	TBLASTX:Maize
Start	4834	End	5253
GI	none	Score	246
Exons	4834..4899, 4881..5123, 4885..5253, 4886..5251, 4909..5253		

Seq. No.	56607	Seq. ID	OJ000303_07.0419.C26
Gene No.	118420	Strand	-
Start	3482	End	6275
Name	OJ000303_07.0419.C26.o5.tm	Method	TBLASTX:Maize
Start	5254	End	6124
GI	none	Score	229
Exons	5254..5484, 5255..5497, 5256..5495, 5903..5965, 5904..5966, 5904..5969, 5905..5970, 5906..5968, 6078..6122, 6079..6123, 6083..6124		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118421	Strand	+
Start	12162	End	12254
Name	OJ000303_07.0419.C27.o3.gp	Method	AAT/GAP
Start	12162	End	12254
GI	LIB3477-003-P1-K1-E9	Score	124
Exons	12162..12254		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118422	Strand	+
Start	20047	End	20538
Name	OJ000303_07.0419.C27.o6.np	Method	AAT/NAP
Start	20044	End	20511
GI	7430820	Score	110
Exons	20044..20127, 20242..20511		
GI Descrip.	thioredoxin h homolog 2 - rape gi|1403711|gb|AAB53695.1| (U59380) thioredoxin-h-like-2 [Brassica napus]		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118422	Strand	+
Start	20047	End	20538
Name	OJ000303_07.0419.C27.o6.gs	Method	GENSCAN
Start	20047	End	20538
GI	none	Score	.89
Exons	20047..20127, 20242..20538		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118423	Strand	-
Start	1	End	2827
Name	OJ000303_07.0419.C27.o1.np	Method	AAT/NAP
Start	1	End	2809
GI	7431843	Score	1175
Exons	1..125, 218..446, 557..649, 731..924, 1079..1148, 1678..1714, 1795..1878, 1968..2025, 2148..2224, 2325..2384, 2465..2809		
GI Descrip.	NADPH--ferrihemoprotein reductase (EC 1.6.2.4) - California poppy gi|2580499|gb|AAC05022.1| (U67186) NADPH:ferrihemoprotein oxidoreductase [Eschscholzia californica]		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118423	Strand	-
Start	1	End	2827
Name	OJ000303_07.0419.C27.o1.gp	Method	AAT/GAP
Start	32	End	656
GI	LIB3475-007-P1-K1-E6	Score	685
Exons	32..125, 218..446, 557..656		
GI Descrip.	'2580499 2.0e-35 (U67186) NADPH:ferrihemoprotein oxidoreductase [Eschscholzia californica]'		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118423	Strand	-
Start	1	End	2827
Name	OJ000303_07.0419.C27.o1.gs	Method	GENSCAN
Start	42	End	2827
GI	none	Score	.89

Exons	42..125, 386..446, 557..584, 731..924, 1079..1148, 1678..1714, 1929..2025, 2148..2224, 2325..2384, 2465..2827		
Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118423	Strand	-
Start	1	End	2827
Name	OJ000303_07.0419.C27.o2.gp	Method	AAT/GAP
Start	1997	End	2801
GI	uC-osflcyp125f08b1	Score	921
Exons	1997..2025, 2148..2224, 2325..2384, 2465..2801		
GI Descrip.	'2580499 2.0e-21 (U67186) NADPH:ferrihemoprotein oxidoreductase [Eschscholzia californica]'		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118424	Strand	-
Start	4899	End	6727
Name	OJ000303_07.0419.C27.o2.np	Method	AAT/NAP
Start	4899	End	6727
GI	4887759	Score	987
Exons	4899..5041, 5161..5677, 5708..6727		
GI Descrip.	(AC006533) putative ARI-like RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118425	Strand	-
Start	6809	End	13377
Name	OJ000303_07.0419.C27.o3.np	Method	AAT/NAP
Start	6809	End	9511
GI	6850317	Score	678
Exons	6809..6895, 7864..8022, 8104..8568, 8677..9511		
GI Descrip.	(AC009999) Contains similarity to Ariadne-2 protein from Drosophila melanogaster gb|AJ010169 and contains an IBR PF|01485 and a zf-C3HC4 (RING finger) PF|00097 domain. ESTs gb|AA585849, gb|T42014 come from this gen...		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118425	Strand	-
Start	6809	End	13377
Name	OJ000303_07.0419.C27.o3.gs	Method	GENSCAN
Start	7786	End	9562
GI	none	Score	.75
Exons	7786..8993, 9013..9562		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118425	Strand	-
Start	6809	End	13377
Name	OJ000303_07.0419.C27.o4.np	Method	AAT/NAP
Start	8816	End	10601
GI	2645088	Score	55
Exons	8816..8874, 10324..10601		
GI Descrip.	(AB008934) collagen [Hydra vulgaris]		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118425	Strand	-
Start	6809	End	13377
Name	OJ000303_07.0419.C27.o4.gs	Method	GENSCAN
Start	10130	End	13377

GI	none	Score	.95
Exons	10130..10753, 10861..11479, 11964..12014, 13199..13377		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118426	Strand	-
Start	15221	End	17503
Name	OJ000303_07.0419.C27.o1.tc	Method	TBLASTX:Cress
Start	40	End	2561
GI	none	Score	84
Exons	40..114, 42..128, 218..274, 219..272, 311..340, 317..445, 333..452, 551..658, 556..657, 721..750, 762..881, 861..935, 1065..1151, 1078..1143, 1792..1875, 1796..1840, 1966..2022, 1968..2024, 2147..2191, 2465..2539, 2466..2561		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118426	Strand	-
Start	15221	End	17503
Name	OJ000303_07.0419.C27.o2.ts	Method	TBLASTX:Soybean
Start	40	End	2225
GI	none	Score	62
Exons	40..114, 42..128, 218..274, 231..302, 317..445, 318..446, 333..449, 504..656, 551..658, 556..657, 563..658, 564..686, 718..771, 721..762, 807..923, 824..925, 825..926, 1078..1143, 1667..1717, 1668..1712, 1792..1875, 1796..1873, 1968..2024, 1969..2022, 2145..2225		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118426	Strand	-
Start	15221	End	17503
Name	OJ000303_07.0419.C27.o2.tm	Method	TBLASTX:Maize
Start	40	End	2552
GI	none	Score	75
Exons	40..114, 42..128, 210..272, 218..274, 316..444, 317..445, 551..658, 554..655, 559..657, 684..761, 701..757, 721..762, 762..923, 763..840, 807..935, 818..934, 1071..1148, 1072..1149, 1078..1143, 1667..1717, 1792..1881, 1793..1879, 1818..1892, 1965..2024, 1968..2024, 1969..2037, 2145..2231, 2325..2390, 2465..2539, 2466..2552		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118426	Strand	-
Start	15221	End	17503
Name	OJ000303_07.0419.C27.o1.tm	Method	TBLASTX:Maize
Start	5162	End	9085
GI	none	Score	74
Exons	5162..5272, 5172..5252, 5294..5413, 5346..5414, 5423..5677, 5424..5528, 5739..5858, 5741..5995, 5751..5948, 6044..6301, 6045..6119, 6189..6326, 7897..7986, 8128..8202, 8227..8340, 8368..8541, 8542..8805, 8576..8806, 8914..9018, 9020..9085		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118426	Strand	-
Start	15221	End	17503
Name	OJ000303_07.0419.C27.o1.ts	Method	TBLASTX:Soybean
Start	5339	End	8857
GI	none	Score	185
Exons	5339..5422, 5426..5677, 5741..5995, 5742..5948, 5984..6139,		

6057..6110, 8128..8202, 8227..8346, 8234..8347, 8368..8541, 8372..8446, 8542..8805, 8576..8857

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118426	Strand	-
Start	15221	End	17503
Name	OJ000303_07.0419.C27.o2.tc	Method	TBLASTX:Cress
Start	5456	End	8631
GI	none	Score	63
Exons	5456..5677, 5741..5830, 5751..5831, 8251..8346, 8368..8541, 8542..8631		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118426	Strand	-
Start	15221	End	17503
Name	OJ000303_07.0419.C27.o3.tc	Method	TBLASTX:Cress
Start	5963	End	9018
GI	none	Score	93
Exons	5963..5995, 6044..6241, 8764..8805, 8926..9018		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118426	Strand	-
Start	15221	End	17503
Name	OJ000303_07.0419.C27.o3.ts	Method	TBLASTX:Soybean
Start	6155	End	9361
GI	none	Score	103
Exons	6155..6355, 6413..6616, 8914..9018, 9029..9139, 9188..9361		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118426	Strand	-
Start	15221	End	17503
Name	OJ000303_07.0419.C27.o5.gs	Method	GENSCAN
Start	15221	End	17503
GI	none	Score	.98
Exons	15221..17503		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118426	Strand	-
Start	15221	End	17503
Name	OJ000303_07.0419.C27.o5.np	Method	AAT/NAP
Start	15348	End	17500
GI	4680182	Score	623
Exons	15348..15613, 15710..16614, 16705..17500		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	56608	Seq. ID	OJ000303_07.0419.C27
Gene No.	118426	Strand	-
Start	15221	End	17503
Name	OJ000303_07.0419.C27.o3.tm	Method	TBLASTX:Maize
Start	17291	End	17500
GI	none	Score	113
Exons	17291..17500, 17292..17489		

Seq. No.	56609	Seq. ID	OJ000303_07.0419.C31
Gene No.	118427	Strand	+
Start	819	End	1194
Name	OJ000303_07.0419.C31.o1.gp	Method	AAT/GAP

Start	819	End	1114
GI	uC-osrocyp010f10b1	Score	493
Exons	819..1114		
GI Descrip.	'102506/pir||S15786 1.0e-18 glucose transport protein homolog - Caenorhabditis elegans'		

Seq. No.	56609	Seq. ID	OJ000303_07.0419.C31
Gene No.	118427	Strand	+
Start	819	End	1194
Name	OJ000303_07.0419.C31.o1.np	Method	AAT/NAP
Start	821	End	1194
GI	7025861	Score	318
Exons	821..1194		
GI Descrip.	(AC024128) putative transporter [Arabidopsis thaliana]		

Seq. No.	56610	Seq. ID	OJ000313_07.0419.C1
Gene No.	118428	Strand	+
Start	57	End	264
Name	OJ000313_07.0419.C1.o1.gs	Method	GENSCAN
Start	57	End	264
GI	none	Score	.71
Exons	57..264		

Seq. No.	56611	Seq. ID	OJ000313_07.0419.C2
Gene No.	118429	Strand	-
Start	284	End	812
Name	OJ000313_07.0419.C2.o1.gs	Method	GENSCAN
Start	284	End	812
GI	none	Score	.97
Exons	284..500, 720..812		

Seq. No.	56612	Seq. ID	OJ000313_07.0419.C4
Gene No.	118430	Strand	+
Start	1	End	1668
Name	OJ000313_07.0419.C4.o1.np	Method	AAT/NAP
Start	1	End	1668
GI	4234854	Score	1245
Exons	1..1323, 1361..1668		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	56612	Seq. ID	OJ000313_07.0419.C4
Gene No.	118430	Strand	+
Start	1	End	1668
Name	OJ000313_07.0419.C4.o1.gs	Method	GENSCAN
Start	39	End	1147
GI	none	Score	.82
Exons	39..215, 779..1147		

Seq. No.	56612	Seq. ID	OJ000313_07.0419.C4
Gene No.	118430	Strand	+
Start	1	End	1668
Name	OJ000313_07.0419.C4.o1.tw	Method	TBLASTX:Wheat
Start	41	End	604
GI	none	Score	38
Exons	41..67, 72..182, 72..182, 127..183, 267..512, 267..332, 268..528, 443..466, 566..604		

Seq. No.	56612	Seq. ID	OJ000313_07.0419.C4
Gene No.	118430	Strand	+
Start	1	End	1668
Name	OJ000313_07.0419.C4.o2.tw	Method	TBLASTX:Wheat
Start	1202	End	1667
GI	none	Score	42
Exons	1202..1246, 1262..1327, 1314..1472, 1397..1468, 1495..1572, 1496..1579, 1509..1667		

Seq. No.	56612	Seq. ID	OJ000313_07.0419.C4
Gene No.	118430	Strand	+
Start	1	End	1668
Name	OJ000313_07.0419.C4.o1.ts	Method	TBLASTX:Soybean
Start	1247	End	1667
GI	none	Score	56
Exons	1247..1339, 1261..1293, 1314..1484, 1320..1439, 1457..1600, 1458..1547, 1481..1564, 1635..1667		

Seq. No.	56613	Seq. ID	OJ000313_07.0419.C5
Gene No.	118431	Strand	-
Start	765	End	1181
Name	OJ000313_07.0419.C5.o1.gs	Method	GENSCAN
Start	765	End	1181
GI	none	Score	.7
Exons	765..1008, 1078..1181		

Seq. No.	56614	Seq. ID	OJ000313_07.0419.C6
Gene No.	118432	Strand	-
Start	1201	End	4298
Name	OJ000313_07.0419.C6.o2.gs	Method	GENSCAN
Start	1201	End	4298
GI	none	Score	.6
Exons	1201..1347, 1409..1507, 1724..1871, 2963..2997, 3693..3767, 4218..4298		

Seq. No.	56614	Seq. ID	OJ000313_07.0419.C6
Gene No.	118432	Strand	-
Start	1201	End	4298
Name	OJ000313_07.0419.C6.o1.tm	Method	TBLASTX:Maize
Start	2984	End	3265
GI	none	Score	63
Exons	2984..3184, 2986..3072, 2990..3265		

Seq. No.	56615	Seq. ID	OJ000313_07.0419.C7
Gene No.	118433	Strand	+
Start	1	End	1687
Name	OJ000313_07.0419.C7.o2.np	Method	AAT/NAP
Start	1	End	1687
GI	4680183	Score	202
Exons	1..51, 936..1006, 1598..1687		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	56615	Seq. ID	OJ000313_07.0419.C7
Gene No.	118434	Strand	-
Start	48	End	620
Name	OJ000313_07.0419.C7.o1.np	Method	AAT/NAP
Start	48	End	482

GI	4680185	Score	471
Exons	48..482		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	56615	Seq. ID	OJ000313_07.0419.C7
Gene No.	118434	Strand	-
Start	48	End	620
Name	OJ000313_07.0419.C7.o1.gs	Method	GENSCAN
Start	93	End	620
GI	none	Score	.8
Exons	93..620		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118435	Strand	+
Start	41	End	199
Name	OJ000313_07.0419.C8.o1.gs	Method	GENSCAN
Start	41	End	199
GI	none	Score	.69
Exons	41..199		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118436	Strand	+
Start	6892	End	6981
Name	OJ000313_07.0419.C8.o3.np	Method	AAT/NAP
Start	6892	End	6981
GI	4680183	Score	117
Exons	6892..6981		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118437	Strand	+
Start	9230	End	9610
Name	OJ000313_07.0419.C8.o1.gp	Method	AAT/GAP
Start	9230	End	9610
GI	uC-osflcyp033a04b1	Score	642
Exons	9230..9610		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118438	Strand	-
Start	1038	End	5603
Name	OJ000313_07.0419.C8.o2.gs	Method	GENSCAN
Start	1038	End	2678
GI	none	Score	.63
Exons	1038..2014, 2075..2678		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118438	Strand	-
Start	1038	End	5603
Name	OJ000313_07.0419.C8.o1.np	Method	AAT/NAP
Start	1041	End	5603
GI	4680179	Score	7713
Exons	1041..5603		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8

Gene No.	118439	Strand	-
Start	5857	End	6657
Name	OJ000313_07.0419.C8.o2.np	Method	AAT/NAP
Start	5857	End	6657
GI	5042448	Score	1151
Exons	5857..6657		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118440	Strand	-
Start	9163	End	9362
Name	OJ000313_07.0419.C8.o4.np	Method	AAT/NAP
Start	9163	End	9362
GI	4680186	Score	315
Exons	9163..9362		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o5.tw	Method	TBLASTX:Wheat
Start	1051	End	1419
GI	none	Score	35
Exons	1051..1104, 1086..1418, 1107..1268, 1213..1326, 1311..1391, 1366..1419		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o7.tm	Method	TBLASTX:Maize
Start	1065	End	1262
GI	none	Score	196
Exons	1065..1262		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	1266	End	1865
GI	none	Score	258
Exons	1266..1706, 1279..1704, 1704..1865, 1711..1857		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o1.tw	Method	TBLASTX:Wheat
Start	1419	End	2045
GI	none	Score	389
Exons	1419..2045, 1420..2043		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o4.tm	Method	TBLASTX:Maize
Start	1914	End	2205
GI	none	Score	212

Exons	1914..2204, 1918..2205		
Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o2.ts	Method	TBLASTX:Soybean
Start	2004	End	2264
GI	none	Score	143
Exons	2004..2264, 2005..2259		
Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o1.tc	Method	TBLASTX:Cress
Start	2028	End	2345
GI	none	Score	79
Exons	2028..2171, 2035..2169, 2172..2345		
Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o3.tw	Method	TBLASTX:Wheat
Start	2052	End	2532
GI	none	Score	240
Exons	2052..2531, 2053..2307, 2083..2532, 2085..2498		
Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o2.tw	Method	TBLASTX:Wheat
Start	2535	End	3044
GI	none	Score	237
Exons	2535..3044, 2619..2966, 2623..3012		
Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o2.tm	Method	TBLASTX:Maize
Start	2607	End	2972
GI	none	Score	153
Exons	2607..2918, 2619..2972, 2623..2970		
Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o3.ts	Method	TBLASTX:Soybean
Start	2793	End	3038
GI	none	Score	202
Exons	2793..3038		
Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o5.tm	Method	TBLASTX:Maize
Start	2979	End	3326
GI	none	Score	113
Exons	2979..3326, 3049..3315		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o6.tw	Method	TBLASTX:Wheat
Start	3045	End	3347
GI	none	Score	229
Exons	3045..3347, 3046..3327		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	3060	End	3455
GI	none	Score	145
Exons	3060..3419, 3061..3324, 3339..3419, 3411..3455, 3423..3455		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o3.tm	Method	TBLASTX:Maize
Start	3342	End	3809
GI	none	Score	128
Exons	3342..3809, 3376..3738		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o4.tw	Method	TBLASTX:Wheat
Start	3396	End	3878
GI	none	Score	184
Exons	3396..3878, 3405..3767, 3439..3774		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o4.ts	Method	TBLASTX:Soybean
Start	3528	End	3842
GI	none	Score	183
Exons	3528..3842		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o8.tw	Method	TBLASTX:Wheat
Start	4053	End	4457
GI	none	Score	102
Exons	4053..4226, 4054..4197, 4108..4248, 4248..4457, 4309..4407		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o6.tm	Method	TBLASTX:Maize
Start	4764	End	5096
GI	none	Score	108
Exons	4764..5096, 4812..5093, 4909..5079		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o7.tw	Method	TBLASTX:Wheat
Start	4977	End	5336
GI	none	Score	99
Exons	4977..5336, 4978..5211, 5236..5310		

Seq. No.	56616	Seq. ID	OJ000313_07.0419.C8
Gene No.	118441	Strand	-
Start	10360	End	11416
Name	OJ000313_07.0419.C8.o5.np	Method	AAT/NAP
Start	10360	End	11416
GI	2429362	Score	163
Exons	10360..10543, 10651..11416		
GI Descrip.	(AF020261) proline rich protein [Santalum album]		

Seq. No.	56617	Seq. ID	OJ000313_07.0419.C9
Gene No.	118442	Strand	-
Start	1	End	760
Name	OJ000313_07.0419.C9.o1.np	Method	AAT/NAP
Start	1	End	760
GI	3810596	Score	500
Exons	1..760		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	56617	Seq. ID	OJ000313_07.0419.C9
Gene No.	118442	Strand	-
Start	1	End	760
Name	OJ000313_07.0419.C9.o1.tm	Method	TBLASTX:Maize
Start	2	End	628
GI	none	Score	166
Exons	2..211, 194..628, 222..614		

Seq. No.	56617	Seq. ID	OJ000313_07.0419.C9
Gene No.	118442	Strand	-
Start	1	End	760
Name	OJ000313_07.0419.C9.o1.gs	Method	GENSCAN
Start	89	End	564
GI	none	Score	.55
Exons	89..142, 305..564		

Seq. No.	56617	Seq. ID	OJ000313_07.0419.C9
Gene No.	118442	Strand	-
Start	1	End	760
Name	OJ000313_07.0419.C9.o1.tw	Method	TBLASTX:Wheat
Start	110	End	521
GI	none	Score	124
Exons	110..520, 213..521		

Seq. No.	56617	Seq. ID	OJ000313_07.0419.C9
Gene No.	118442	Strand	-
Start	1	End	760
Name	OJ000313_07.0419.C9.o2.tw	Method	TBLASTX:Wheat
Start	569	End	743
GI	none	Score	91

Exons	569..742, 570..743		
Seq. No.	56617	Seq. ID	OJ000313_07.0419.C9
Gene No.	118442	Strand	-
Start	1	End	760
Name	OJ000313_07.0419.C9.o2.tm	Method	TBLASTX:Maize
Start	629	End	760
GI	none	Score	141
Exons	629..760, 630..758		
Seq. No.	56618	Seq. ID	OJ000313_07.0419.C10
Gene No.	118443	Strand	+
Start	2895	End	5916
Name	OJ000313_07.0419.C10.o1.np	Method	AAT/NAP
Start	2895	End	5916
GI	5042463	Score	186
Exons	2895..3074, 3752..3904, 5879..5916		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	56618	Seq. ID	OJ000313_07.0419.C10
Gene No.	118443	Strand	+
Start	2895	End	5916
Name	OJ000313_07.0419.C10.o2.np	Method	AAT/NAP
Start	4156	End	4457
GI	7248393	Score	204
Exons	4156..4457		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		
Seq. No.	56618	Seq. ID	OJ000313_07.0419.C10
Gene No.	118444	Strand	+
Start	7226	End	13808
Name	OJ000313_07.0419.C10.o4.np	Method	AAT/NAP
Start	7226	End	12375
GI	6319856	Score	80
Exons	7226..7383, 9396..9629, 12343..12375		
GI Descrip.	Active transport ATPase; Adp1p gi|113449|sp|P25371|ADP1_YEAST PROBABLE ATP-DEPENDENT PERMEASE PRECURSOR gi|83202|pir||S19421 ATP-dependent permease ADP1 precursor - yeast (Saccharomyces cerevisiae) gi|1907154|emb|CAA42328| (X59720) YCR0k1c, len:1049 [Saccharomyces cerevisiae]		
Seq. No.	56618	Seq. ID	OJ000313_07.0419.C10
Gene No.	118444	Strand	+
Start	7226	End	13808
Name	OJ000313_07.0419.C10.o3.gs	Method	GENSCAN
Start	9108	End	13808
GI	none	Score	.67
Exons	9108..9540, 12491..12601, 12979..13040, 13325..13481, 13490..13523, 13634..13808		
Seq. No.	56618	Seq. ID	OJ000313_07.0419.C10
Gene No.	118445	Strand	+
Start	13931	End	14092
Name	OJ000313_07.0419.C10.o6.np	Method	AAT/NAP
Start	13931	End	14092
GI	5852172	Score	124
Exons	13931..14092		

GI Descrip. (AL117265) zhb0002.1 [Oryza sativa]

Seq. No.	56618	Seq. ID	OJ000313_07.0419.C10
Gene No.	118446	Strand	-
Start	10451	End	14905
Name	OJ000313_07.0419.C10.o1.tm	Method	TBLASTX:Maize
Start	8087	End	10937
GI	none	Score	107
Exons	8087..8167, 10653..10937, 10658..10930		

Seq. No.	56618	Seq. ID	OJ000313_07.0419.C10
Gene No.	118446	Strand	-
Start	10451	End	14905
Name	OJ000313_07.0419.C10.o5.np	Method	AAT/NAP
Start	10451	End	14905
GI	6069646	Score	362
Exons	10451..11468, 14858..14905		

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	56618	Seq. ID	OJ000313_07.0419.C10
Gene No.	118446	Strand	-
Start	10451	End	14905
Name	OJ000313_07.0419.C10.o1.tw	Method	TBLASTX:Wheat
Start	10577	End	10924
GI	none	Score	157
Exons	10577..10624, 10739..10924		

Seq. No.	56618	Seq. ID	OJ000313_07.0419.C10
Gene No.	118446	Strand	-
Start	10451	End	14905
Name	OJ000313_07.0419.C10.o2.tm	Method	TBLASTX:Maize
Start	11281	End	11506
GI	none	Score	104
Exons	11281..11505, 11282..11506		

Seq. No.	56618	Seq. ID	OJ000313_07.0419.C10
Gene No.	118446	Strand	-
Start	10451	End	14905
Name	OJ000313_07.0419.C10.o4.gs	Method	GENSCAN
Start	14617	End	14700
GI	none	Score	.42
Exons	14617..14700		

Seq. No.	56619	Seq. ID	OJ000313_07.0419.C11
Gene No.	118447	Strand	+
Start	1769	End	1825
Name	OJ000313_07.0419.C11.o1.gs	Method	GENSCAN
Start	1769	End	1825
GI	none	Score	.7
Exons	1769..1825		

Seq. No.	56620	Seq. ID	OJ000313_07.0419.C12
Gene No.	118448	Strand	+

Start	1	End	5469
Name	OJ000313_07.0419.C12.o1.np	Method	AAT/NAP
Start	1	End	341
GI	7106525	Score	97
Exons	1..199, 236..341		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	56620	Seq. ID	OJ000313_07.0419.C12
Gene No.	118448	Strand	+
Start	1	End	5469
Name	OJ000313_07.0419.C12.o3.np	Method	AAT/NAP
Start	1	End	3656
GI	6978921	Score	269
Exons	1..21, 1097..1561, 1661..1734, 3619..3656		
GI Descrip.	(AC021665) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	56620	Seq. ID	OJ000313_07.0419.C12
Gene No.	118448	Strand	+
Start	1	End	5469
Name	OJ000313_07.0419.C12.o4.np	Method	AAT/NAP
Start	1	End	4653
GI	4063751	Score	592
Exons	1..42, 1097..1561, 1661..1763, 2222..2362, 2468..2658, 4004..4653		
GI Descrip.	(AC005851) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	56620	Seq. ID	OJ000313_07.0419.C12
Gene No.	118448	Strand	+
Start	1	End	5469
Name	OJ000313_07.0419.C12.o1.gs	Method	GENSCAN
Start	86	End	493
GI	none	Score	.93
Exons	86..493		

Seq. No.	56620	Seq. ID	OJ000313_07.0419.C12
Gene No.	118448	Strand	+
Start	1	End	5469
Name	OJ000313_07.0419.C12.o2.gs	Method	GENSCAN
Start	1124	End	5469
GI	none	Score	.72
Exons	1124..1561, 1661..1747, 2233..2361, 2470..2658, 2762..2848, 4004..4523, 5300..5469		

Seq. No.	56620	Seq. ID	OJ000313_07.0419.C12
Gene No.	118449	Strand	-
Start	1	End	646
Name	OJ000313_07.0419.C12.o2.np	Method	AAT/NAP
Start	1	End	646
GI	7340909	Score	162
Exons	1..83, 329..646		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	56620	Seq. ID	OJ000313_07.0419.C12
Gene No.	118450	Strand	-
Start	621	End	713
Name	OJ000313_07.0419.C12.o1.gp	Method	AAT/GAP
Start	621	End	713

GI	LIB3432-008-P1-K1-F11	Score	118
Exons	621..713		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	56620	Seq. ID	OJ000313_07.0419.C12
Gene No.	118451	Strand	
Start	1081	End	1753
Name	OJ000313_07.0419.C12.o1.tm	Method	TBLASTX:Maize
Start	1081	End	1750
GI	none	Score	138
Exons	1081..1212, 1094..1261, 1282..1560, 1313..1561, 1639..1749, 1658..1750		

Seq. No.	56620	Seq. ID	OJ000313_07.0419.C12
Gene No.	118451	Strand	
Start	1081	End	1753
Name	OJ000313_07.0419.C12.o2.tc	Method	TBLASTX:Cress
Start	1097	End	1753
GI	none	Score	89
Exons	1097..1168, 1313..1561, 1372..1539, 1643..1753, 1648..1749		

Seq. No.	56620	Seq. ID	OJ000313_07.0419.C12
Gene No.	118451	Strand	
Start	1081	End	1753
Name	OJ000313_07.0419.C12.o2.ts	Method	TBLASTX:Soybean
Start	1100	End	1555
GI	none	Score	148
Exons	1100..1261, 1102..1215, 1282..1443, 1313..1444, 1441..1554, 1445..1555		

Seq. No.	56620	Seq. ID	OJ000313_07.0419.C12
Gene No.	118452	Strand	
Start	1655	End	2871
Name	OJ000313_07.0419.C12.o3.ts	Method	TBLASTX:Soybean
Start	1655	End	2854
GI	none	Score	125
Exons	1655..1750, 1660..1761, 2491..2655, 2533..2643, 2750..2854, 2800..2853		

Seq. No.	56620	Seq. ID	OJ000313_07.0419.C12
Gene No.	118452	Strand	
Start	1655	End	2871
Name	OJ000313_07.0419.C12.o3.tc	Method	TBLASTX:Cress
Start	2485	End	2854
GI	none	Score	171
Exons	2485..2655, 2523..2621, 2750..2854, 2797..2850		

Seq. No.	56620	Seq. ID	OJ000313_07.0419.C12
Gene No.	118452	Strand	
Start	1655	End	2871
Name	OJ000313_07.0419.C12.o3.tm	Method	TBLASTX:Maize
Start	2488	End	2871
GI	none	Score	198
Exons	2488..2652, 2508..2639, 2539..2676, 2750..2854, 2785..2871		

Seq. No.	56620	Seq. ID	OJ000313_07.0419.C12

Gene No.	118453	Strand	
Start	4001	End	4630
Name	OJ000313_07.0419.C12.o1.tc	Method	TBLASTX:Cress
Start	4001	End	4630
GI	none	Score	78
Exons	4001..4075, 4012..4116, 4148..4414, 4153..4350, 4478..4630		

Seq. No.	56620	Seq. ID	OJ000313_07.0419.C12
Gene No.	118453	Strand	
Start	4001	End	4630
Name	OJ000313_07.0419.C12.o1.ts	Method	TBLASTX:Soybean
Start	4001	End	4588
GI	none	Score	96
Exons	4001..4075, 4015..4428, 4018..4110, 4133..4450, 4442..4588, 4444..4587		

Seq. No.	56620	Seq. ID	OJ000313_07.0419.C12
Gene No.	118453	Strand	
Start	4001	End	4630
Name	OJ000313_07.0419.C12.o1.tw	Method	TBLASTX:Wheat
Start	4154	End	4414
GI	none	Score	253
Exons	4154..4414, 4201..4359, 4205..4405		

Seq. No.	56620	Seq. ID	OJ000313_07.0419.C12
Gene No.	118453	Strand	
Start	4001	End	4630
Name	OJ000313_07.0419.C12.o2.tm	Method	TBLASTX:Maize
Start	4198	End	4600
GI	none	Score	210
Exons	4198..4419, 4220..4435, 4274..4423, 4442..4600		

Seq. No.	56621	Seq. ID	OJ000313_07.0419.C13
Gene No.	118454	Strand	-
Start	1067	End	2328
Name	OJ000313_07.0419.C13.o1.gs	Method	GENSCAN
Start	1067	End	2328
GI	none	Score	.8
Exons	1067..1177, 1722..1950, 2159..2328		

Seq. No.	56622	Seq. ID	OJ000313_07.0419.C14
Gene No.	118455	Strand	+
Start	1	End	2682
Name	OJ000313_07.0419.C14.o2.np	Method	AAT/NAP
Start	1	End	2682
GI	6069646	Score	559
Exons	1..35, 1010..1451, 1709..2682		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	56622	Seq. ID	OJ000313_07.0419.C14
Gene No.	118455	Strand	+
Start	1	End	2682
Name	OJ000313_07.0419.C14.o1.gs	Method	GENSCAN

Start	198	End	1907
GI	none	Score	.55
Exons	198..337, 497..757, 1030..1514, 1822..1907		

Seq. No.	56622	Seq. ID	OJ000313_07.0419.C14
Gene No.	118456	Strand	+
Start	2998	End	6886
Name	OJ000313_07.0419.C14.o2.gs	Method	GENSCAN
Start	2998	End	5536
GI	none	Score	.78
Exons	2998..3388, 3614..3786, 3869..4040, 4145..4228, 4958..5024, 5296..5536		

Seq. No.	56622	Seq. ID	OJ000313_07.0419.C14
Gene No.	118456	Strand	+
Start	2998	End	6886
Name	OJ000313_07.0419.C14.o3.np	Method	AAT/NAP
Start	4973	End	6886
GI	7106508	Score	99
Exons	4973..5108, 6739..6886		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	56622	Seq. ID	OJ000313_07.0419.C14
Gene No.	118457	Strand	-
Start	256	End	1016
Name	OJ000313_07.0419.C14.o1.np	Method	AAT/NAP
Start	256	End	1016
GI	4680179	Score	949
Exons	256..1016		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	56622	Seq. ID	OJ000313_07.0419.C14
Gene No.	118457	Strand	-
Start	256	End	1016
Name	OJ000313_07.0419.C14.o1.tw	Method	TBLASTX:Wheat
Start	378	End	795
GI	none	Score	90
Exons	378..755, 378..791, 493..795		

Seq. No.	56622	Seq. ID	OJ000313_07.0419.C14
Gene No.	118457	Strand	-
Start	256	End	1016
Name	OJ000313_07.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	492	End	1013
GI	none	Score	137
Exons	492..824, 496..753, 833..919, 882..1013		

Seq. No.	56622	Seq. ID	OJ000313_07.0419.C14
Gene No.	118457	Strand	-
Start	256	End	1016
Name	OJ000313_07.0419.C14.o3.tw	Method	TBLASTX:Wheat
Start	796	End	1013
GI	none	Score	58
Exons	796..888, 797..862, 876..1013, 882..1013		

Seq. No.	56622	Seq. ID	OJ000313_07.0419.C14
Gene No.	118458	Strand	

Start	1022	End	1712
Name	OJ000313_07.0419.C14.o2.tm	Method	TBLASTX:Maize
Start	1022	End	1594
GI	none	Score	346
Exons	1022..1594		

Seq. No.	56622	Seq. ID	OJ000313_07.0419.C14
Gene No.	118458	Strand	
Start	1022	End	1712
Name	OJ000313_07.0419.C14.o2.tw	Method	TBLASTX:Wheat
Start	1303	End	1712
GI	none	Score	239
Exons	1303..1593, 1304..1594, 1611..1712		

Seq. No.	56622	Seq. ID	OJ000313_07.0419.C14
Gene No.	118459	Strand	
Start	1708	End	1986
Name	OJ000313_07.0419.C14.o4.tm	Method	TBLASTX:Maize
Start	1708	End	1986
GI	none	Score	136
Exons	1708..1875, 1710..1871, 1879..1986		

Seq. No.	56622	Seq. ID	OJ000313_07.0419.C14
Gene No.	118460	Strand	
Start	2101	End	2397
Name	OJ000313_07.0419.C14.o3.tm	Method	TBLASTX:Maize
Start	2101	End	2397
GI	none	Score	232
Exons	2101..2397, 2145..2396		

Seq. No.	56623	Seq. ID	OJ000313_07.0419.C16
Gene No.	118461	Strand	+
Start	331	End	3419
Name	OJ000313_07.0419.C16.o1.gs	Method	GENSCAN
Start	331	End	3419
GI	none	Score	.66
Exons	331..443, 1336..1515, 1609..1688, 1952..1981, 2645..2775, 3406..3419		

Seq. No.	56623	Seq. ID	OJ000313_07.0419.C16
Gene No.	118461	Strand	+
Start	331	End	3419
Name	OJ000313_07.0419.C16.o1.np	Method	AAT/NAP
Start	363	End	1733
GI	6175185	Score	126
Exons	363..443, 1336..1515, 1609..1733		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	56624	Seq. ID	OJ000313_07.0419.C17
Gene No.	118462	Strand	-
Start	502	End	688
Name	OJ000313_07.0419.C17.o1.gs	Method	GENSCAN
Start	502	End	688
GI	none	Score	.49
Exons	502..688		

Seq. No.	56625	Seq. ID	OJ000313_07.0419.C20

Gene No.	118463	Strand	+
Start	1305	End	2667
Name	OJ000313_07.0419.C20.o1.gs	Method	GENSCAN
Start	1305	End	2667
GI	none	Score	.84
Exons	1305..1386, 2163..2324, 2483..2667		

Seq. No.	56625	Seq. ID	OJ000313_07.0419.C20
Gene No.	118464	Strand	+
Start	6313	End	6841
Name	OJ000313_07.0419.C20.o2.gp	Method	AAT/GAP
Start	6313	End	6841
GI	LIB3475-007-P1-K1-E8	Score	700
Exons	6313..6705, 6795..6841		
GI Descrip.	'4512233/dbj|AB014743.1|AB014743 1.0e-176 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		

Seq. No.	56625	Seq. ID	OJ000313_07.0419.C20
Gene No.	118465	Strand	-
Start	1841	End	2742
Name	OJ000313_07.0419.C20.o1.np	Method	AAT/NAP
Start	1841	End	2742
GI	5852178	Score	512
Exons	1841..1943, 2306..2402, 2434..2742		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	56625	Seq. ID	OJ000313_07.0419.C20
Gene No.	118466	Strand	-
Start	3670	End	10285
Name	OJ000313_07.0419.C20.o2.gs	Method	GENSCAN
Start	3670	End	10285
GI	none	Score	.72
Exons	3670..3851, 3863..4078, 4848..5028, 6987..7508, 9990..10091, 10247..10285		

Seq. No.	56625	Seq. ID	OJ000313_07.0419.C20
Gene No.	118466	Strand	-
Start	3670	End	10285
Name	OJ000313_07.0419.C20.o1.gp	Method	AAT/GAP
Start	5549	End	5809
GI	3763145	Score	349
Exons	5549..5809		
GI Descrip.	416325/gb|U03454|PRS423 2.0e-15 Yeast episomal vector pRS423 with HIS3 marker, complete sequence		

Seq. No.	56626	Seq. ID	OJ000313_07.0419.C25
Gene No.	118467	Strand	+
Start	1	End	1118
Name	OJ000313_07.0419.C25.o1.np	Method	AAT/NAP
Start	1	End	1118
GI	7340868	Score	129
Exons	1..31, 211..456, 973..1118		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	56626	Seq. ID	OJ000313_07.0419.C25
Gene No.	118467	Strand	+
Start	1	End	1118

Name	OJ000313_07.0419.C25.o2.np	Method	AAT/NAP
Start	1	End	914
GI	4585884	Score	108
Exons	1..53, 397..669, 741..914		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56626	Seq. ID	OJ000313_07.0419.C25
Gene No.	118467	Strand	+
Start	1	End	1118
Name	OJ000313_07.0419.C25.o1.gs	Method	GENSCAN
Start	339	End	669
GI	none	Score	.68
Exons	339..669		

Seq. No.	56626	Seq. ID	OJ000313_07.0419.C25
Gene No.	118467	Strand	+
Start	1	End	1118
Name	OJ000313_07.0419.C25.o1.tm	Method	TBLASTX:Maize
Start	427	End	841
GI	none	Score	210
Exons	427..672, 444..506, 528..671, 741..800, 776..841		

Seq. No.	56627	Seq. ID	OJ000313_07.0419.C26
Gene No.	118468	Strand	+
Start	1	End	884
Name	OJ000313_07.0419.C26.o1.np	Method	AAT/NAP
Start	1	End	884
GI	6907106	Score	427
Exons	1..341, 406..624, 699..884		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	56627	Seq. ID	OJ000313_07.0419.C26
Gene No.	118469	Strand	-
Start	28	End	446
Name	OJ000313_07.0419.C26.o1.gs	Method	GENSCAN
Start	28	End	446
GI	none	Score	.69
Exons	28..446		

Seq. No.	56627	Seq. ID	OJ000313_07.0419.C26
Gene No.	118470	Strand	
Start	415	End	789
Name	OJ000313_07.0419.C26.o1.tm	Method	TBLASTX:Maize
Start	415	End	789
GI	none	Score	193
Exons	415..651, 439..648, 644..676, 650..676, 656..688, 740..787, 742..789, 742..786, 747..788		

Seq. No.	56628	Seq. ID	OJ000313_07.0419.C27
Gene No.	118471	Strand	+
Start	543	End	794
Name	OJ000313_07.0419.C27.o1.tw	Method	TBLASTX:Wheat
Start	520	End	794
GI	none	Score	248
Exons	520..780, 522..794, 522..779, 523..780, 734..781		

Seq. No.	56628	Seq. ID	OJ000313_07.0419.C27
Gene No.	118471	Strand	+
Start	543	End	794
Name	OJ000313_07.0419.C27.o1.gs	Method	GENSCAN
Start	543	End	786
GI	none	Score	.53
Exons	543..786		

Seq. No.	56629	Seq. ID	OJ000313_07.0419.C29
Gene No.	118472	Strand	+
Start	1001	End	2626
Name	OJ000313_07.0419.C29.o2.np	Method	AAT/NAP
Start	1001	End	2626
GI	7340860	Score	74
Exons	1001..1143, 2488..2626		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	56629	Seq. ID	OJ000313_07.0419.C29
Gene No.	118473	Strand	-
Start	2888	End	6818
Name	OJ000313_07.0419.C29.o3.np	Method	AAT/NAP
Start	2888	End	6818
GI	5295955	Score	427
Exons	2888..2987, 3021..3595, 3700..4084, 4769..4887, 5429..5497, 6719..6818		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	56629	Seq. ID	OJ000313_07.0419.C29
Gene No.	118473	Strand	-
Start	2888	End	6818
Name	OJ000313_07.0419.C29.o2.gs	Method	GENSCAN
Start	4262	End	5497
GI	none	Score	.6
Exons	4262..4343, 4833..4951, 5427..5497		

Seq. No.	56630	Seq. ID	OJ000313_07.0419.C30
Gene No.	118474	Strand	+
Start	5677	End	8858
Name	OJ000313_07.0419.C30.o1.np	Method	AAT/NAP
Start	5677	End	7493
GI	6721512	Score	91
Exons	5677..5968, 6011..6037, 7380..7493		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	56630	Seq. ID	OJ000313_07.0419.C30
Gene No.	118474	Strand	+
Start	5677	End	8858
Name	OJ000313_07.0419.C30.o2.gs	Method	GENSCAN
Start	7036	End	8858
GI	none	Score	.95
Exons	7036..7216, 8254..8382, 8746..8858		

Seq. No.	56631	Seq. ID	OJ000313_07.0419.C31
Gene No.	118475	Strand	+
Start	69	End	462

Name	OJ000313_07.0419.C31.o1.gs	Method	GENSCAN
Start	69	End	462
GI	none	Score	.73
Exons	69..197, 365..462		

Seq. No.	56632	Seq. ID	OJ000313_07.0419.C32
Gene No.	118476	Strand	+
Start	1	End	715
Name	OJ000313_07.0419.C32.o1.np	Method	AAT/NAP
Start	1	End	715
GI	4416302	Score	502
Exons	1..715		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	56632	Seq. ID	OJ000313_07.0419.C32
Gene No.	118476	Strand	+
Start	1	End	715
Name	OJ000313_07.0419.C32.o1.gs	Method	GENSCAN
Start	42	End	470
GI	none	Score	.87
Exons	42..470		

Seq. No.	56632	Seq. ID	OJ000313_07.0419.C32
Gene No.	118476	Strand	+
Start	1	End	715
Name	OJ000313_07.0419.C32.o1.tw	Method	TBLASTX:Wheat
Start	60	End	565
GI	none	Score	236
Exons	60..467, 68..190, 257..445, 491..565		

Seq. No.	56632	Seq. ID	OJ000313_07.0419.C32
Gene No.	118476	Strand	+
Start	1	End	715
Name	OJ000313_07.0419.C32.o1.tm	Method	TBLASTX:Maize
Start	102	End	685
GI	none	Score	88
Exons	102..167, 107..169, 168..467, 254..469, 488..571, 493..561, 557..685		

Seq. No.	56632	Seq. ID	OJ000313_07.0419.C32
Gene No.	118476	Strand	+
Start	1	End	715
Name	OJ000313_07.0419.C32.o1.ts	Method	TBLASTX:Soybean
Start	279	End	676
GI	none	Score	168
Exons	279..467, 293..457, 294..464, 295..468, 506..559, 581..676		

Seq. No.	56632	Seq. ID	OJ000313_07.0419.C32
Gene No.	118476	Strand	+
Start	1	End	715
Name	OJ000313_07.0419.C32.o1.tc	Method	TBLASTX:Cress
Start	293	End	673
GI	none	Score	129
Exons	293..379, 294..467, 491..556, 566..673, 568..672		

Seq. No.	56633	Seq. ID	OJ000313_07.0419.C33
Gene No.	118477	Strand	+

Start	1	End	573
Name	OJ000313_07.0419.C33.o1.np	Method	AAT/NAP
Start	1	End	543
GI	7489803	Score	484
Exons	1..543		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi|3645899|gb|AAC49502.1| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	56633	Seq. ID	OJ000313_07.0419.C33
Gene No.	118477	Strand	+
Start	1	End	573
Name	OJ000313_07.0419.C33.o1.ts	Method	TBLASTX:Soybean
Start	1	End	573
GI	none	Score	154
Exons	1..192, 295..573		

Seq. No.	56633	Seq. ID	OJ000313_07.0419.C33
Gene No.	118477	Strand	+
Start	1	End	573
Name	OJ000313_07.0419.C33.o1.tm	Method	TBLASTX:Maize
Start	1	End	531
GI	none	Score	186
Exons	1..192, 6..203, 201..242, 264..482, 265..531, 295..483		

Seq. No.	56633	Seq. ID	OJ000313_07.0419.C33
Gene No.	118477	Strand	+
Start	1	End	573
Name	OJ000313_07.0419.C33.o1.tw	Method	TBLASTX:Wheat
Start	43	End	492
GI	none	Score	71
Exons	43..192, 304..492, 307..471		

Seq. No.	56633	Seq. ID	OJ000313_07.0419.C33
Gene No.	118477	Strand	+
Start	1	End	573
Name	OJ000313_07.0419.C33.o1.gs	Method	GENSCAN
Start	174	End	293
GI	none	Score	.44
Exons	174..293		

Seq. No.	56634	Seq. ID	OJ000313_07.0419.C34
Gene No.	118478	Strand	+
Start	28	End	2086
Name	OJ000313_07.0419.C34.o1.gs	Method	GENSCAN
Start	28	End	1450
GI	none	Score	.41
Exons	28..177, 183..279, 714..833, 1188..1450		

Seq. No.	56634	Seq. ID	OJ000313_07.0419.C34
Gene No.	118478	Strand	+
Start	28	End	2086
Name	OJ000313_07.0419.C34.o1.np	Method	AAT/NAP
Start	825	End	2086
GI	7523502	Score	191
Exons	825..918, 1231..1396, 1935..2086		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	56634	Seq. ID	OJ000313_07.0419.C34
Gene No.	118479	Strand	-
Start	3068	End	5561
Name	OJ000313_07.0419.C34.o2.np	Method	AAT/NAP
Start	3065	End	5561
GI	7485362	Score	1101
Exons	3065..3243, 4071..5362, 5519..5561		
GI Descrip.	hypothetical protein F10N7.120 - Arabidopsis thaliana gi|2827630|emb|CAA16582.1| (AL021636) putative protein [Arabidopsis thaliana] gi|7270111|emb|CAB79925.1| (AL161580) putative protein [Arabidopsis thaliana]		

Seq. No.	56634	Seq. ID	OJ000313_07.0419.C34
Gene No.	118479	Strand	-
Start	3068	End	5561
Name	OJ000313_07.0419.C34.o2.gs	Method	GENSCAN
Start	3068	End	5535
GI	none	Score	.99
Exons	3068..3225, 4143..5535		

Seq. No.	56634	Seq. ID	OJ000313_07.0419.C34
Gene No.	118479	Strand	-
Start	3068	End	5561
Name	OJ000313_07.0419.C34.o2.tc	Method	TBLASTX:Cress
Start	3079	End	3230
GI	none	Score	126
Exons	3079..3216, 3080..3226, 3087..3230		

Seq. No.	56634	Seq. ID	OJ000313_07.0419.C34
Gene No.	118479	Strand	-
Start	3068	End	5561
Name	OJ000313_07.0419.C34.o2.ts	Method	TBLASTX:Soybean
Start	4141	End	4374
GI	none	Score	91
Exons	4141..4374, 4168..4365		

Seq. No.	56634	Seq. ID	OJ000313_07.0419.C34
Gene No.	118479	Strand	-
Start	3068	End	5561
Name	OJ000313_07.0419.C34.o1.tm	Method	TBLASTX:Maize
Start	4155	End	4401
GI	none	Score	178
Exons	4155..4397, 4156..4401, 4157..4333, 4159..4392		

Seq. No.	56634	Seq. ID	OJ000313_07.0419.C34
Gene No.	118479	Strand	-
Start	3068	End	5561
Name	OJ000313_07.0419.C34.o1.tc	Method	TBLASTX:Cress
Start	4156	End	5366
GI	none	Score	103
Exons	4156..4368, 4157..4336, 4535..4993, 4538..4657, 4540..5034, 5164..5253, 5186..5254, 5257..5355, 5319..5366		

Seq. No.	56634	Seq. ID	OJ000313_07.0419.C34
Gene No.	118479	Strand	-
Start	3068	End	5561

Name	OJ000313_07.0419.C34.o1.ts	Method	TBLASTX:Soybean
Start	4480	End	5355
GI	none	Score	229
Exons	4480..4539, 4514..4834, 4542..4703, 4543..4989, 4770..5027, 5092..5139, 5146..5253, 5147..5254, 5161..5289, 5257..5355		

Seq. No.	56634	Seq. ID	OJ000313_07.0419.C34
Gene No.	118479	Strand	-
Start	3068	End	5561
Name	OJ000313_07.0419.C34.o2.tm	Method	TBLASTX:Maize
Start	4768	End	5247
GI	none	Score	153
Exons	4768..4989, 4771..4989, 4896..5000, 5158..5247		

Seq. No.	56635	Seq. ID	OJ000313_07.0419.C35
Gene No.	118480	Strand	-
Start	1	End	592
Name	OJ000313_07.0419.C35.o1.np	Method	AAT/NAP
Start	1	End	592
GI	4567248	Score	354
Exons	1..592		
GI Descrip.	(AC007070) unknown protein [Arabidopsis thaliana]		

Seq. No.	56635	Seq. ID	OJ000313_07.0419.C35
Gene No.	118480	Strand	-
Start	1	End	592
Name	OJ000313_07.0419.C35.o1.tc	Method	TBLASTX:Cress
Start	68	End	457
GI	none	Score	295
Exons	68..457		

Seq. No.	56635	Seq. ID	OJ000313_07.0419.C35
Gene No.	118480	Strand	-
Start	1	End	592
Name	OJ000313_07.0419.C35.o1.gs	Method	GENSCAN
Start	134	End	589
GI	none	Score	.69
Exons	134..589		

Seq. No.	56635	Seq. ID	OJ000313_07.0419.C35
Gene No.	118480	Strand	-
Start	1	End	592
Name	OJ000313_07.0419.C35.o1.tm	Method	TBLASTX:Maize
Start	215	End	457
GI	none	Score	183
Exons	215..457		

Seq. No.	56636	Seq. ID	OJ000313_07.0419.C37
Gene No.	118481	Strand	-
Start	1	End	6160
Name	OJ000313_07.0419.C37.o1.np	Method	AAT/NAP
Start	1	End	4079
GI	7489738	Score	3606
Exons	1..3301, 3344..4079		
GI Descrip.	gag-pol polyprotein - maize copia-like retrotransposon Sto-4 gi|4234852|gb|AAD12997.1| (AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	56636	Seq. ID	OJ000313_07.0419.C37
Gene No.	118481	Strand	-
Start	1	End	6160
Name	OJ000313_07.0419.C37.o1.tm	Method	TBLASTX:Maize
Start	2	End	598
GI	none	Score	78
Exons	2..166, 212..556, 249..377, 569..598		

Seq. No.	56636	Seq. ID	OJ000313_07.0419.C37
Gene No.	118481	Strand	-
Start	1	End	6160
Name	OJ000313_07.0419.C37.o2.ts	Method	TBLASTX:Soybean
Start	2	End	556
GI	none	Score	246
Exons	2..160, 176..556		

Seq. No.	56636	Seq. ID	OJ000313_07.0419.C37
Gene No.	118481	Strand	-
Start	1	End	6160
Name	OJ000313_07.0419.C37.o3.tw	Method	TBLASTX:Wheat
Start	2	End	448
GI	none	Score	78
Exons	2..448, 137..448		

Seq. No.	56636	Seq. ID	OJ000313_07.0419.C37
Gene No.	118481	Strand	-
Start	1	End	6160
Name	OJ000313_07.0419.C37.o1.tw	Method	TBLASTX:Wheat
Start	530	End	1321
GI	none	Score	72
Exons	530..625, 658..990, 746..835, 772..915, 976..1320, 1025..1165, 1226..1321		

Seq. No.	56636	Seq. ID	OJ000313_07.0419.C37
Gene No.	118481	Strand	-
Start	1	End	6160
Name	OJ000313_07.0419.C37.o2.tm	Method	TBLASTX:Maize
Start	937	End	1320
GI	none	Score	125
Exons	937..1320, 1013..1165		

Seq. No.	56636	Seq. ID	OJ000313_07.0419.C37
Gene No.	118481	Strand	-
Start	1	End	6160
Name	OJ000313_07.0419.C37.o1.gs	Method	GENSCAN
Start	952	End	6160
GI	none	Score	.69
Exons	952..1731, 2373..3548, 3687..4075, 4552..4612, 4675..4986, 5211..5450, 5673..5765, 5773..5868, 5984..6160		

Seq. No.	56636	Seq. ID	OJ000313_07.0419.C37
Gene No.	118481	Strand	-
Start	1	End	6160
Name	OJ000313_07.0419.C37.o1.ts	Method	TBLASTX:Soybean
Start	991	End	1449
GI	5509260	Score	201

Exons	991..1449, 1013..1402		
GI Descrip.	-		
Seq. No.	56636	Seq. ID	OJ000313_07.0419.C37
Gene No.	118481	Strand	-
Start	1	End	6160
Name	OJ000313_07.0419.C37.o1.tc	Method	TBLASTX:Cress
Start	1102	End	1360
GI	none	Score	88
Exons	1102..1359, 1121..1360		
Seq. No.	56636	Seq. ID	OJ000313_07.0419.C37
Gene No.	118481	Strand	-
Start	1	End	6160
Name	OJ000313_07.0419.C37.o2.tw	Method	TBLASTX:Wheat
Start	1863	End	2582
GI	none	Score	42
Exons	1863..2018, 1945..1989, 1995..2279, 2029..2145, 2173..2280, 2194..2256, 2341..2415, 2343..2582, 2344..2406, 2387..2518		
Seq. No.	56636	Seq. ID	OJ000313_07.0419.C37
Gene No.	118481	Strand	-
Start	1	End	6160
Name	OJ000313_07.0419.C37.o3.ts	Method	TBLASTX:Soybean
Start	1917	End	2279
GI	none	Score	110
Exons	1917..2090, 2094..2243, 2094..2279, 2095..2247		
Seq. No.	56636	Seq. ID	OJ000313_07.0419.C37
Gene No.	118481	Strand	-
Start	1	End	6160
Name	OJ000313_07.0419.C37.o3.tm	Method	TBLASTX:Maize
Start	2109	End	2570
GI	none	Score	86
Exons	2109..2291, 2110..2280, 2178..2297, 2343..2570		
Seq. No.	56636	Seq. ID	OJ000313_07.0419.C37
Gene No.	118481	Strand	-
Start	1	End	6160
Name	OJ000313_07.0419.C37.o4.ts	Method	TBLASTX:Soybean
Start	2358	End	2753
GI	none	Score	47
Exons	2358..2498, 2461..2565, 2536..2736, 2538..2753, 2646..2753		
Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118482	Strand	-
Start	151	End	4947
Name	OJ000313_07.0419.C38.o1.gs	Method	GENSCAN
Start	151	End	4947
GI	none	Score	.67
Exons	151..350, 549..2590, 2726..2901, 2977..3149, 3366..3497, 3512..4142, 4522..4947		
Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118482	Strand	-
Start	151	End	4947
Name	OJ000313_07.0419.C38.o1.np	Method	AAT/NAP

Start	283	End	4938
GI	6705984	Score	6055
Exons	283..4938		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o12.tm	Method	TBLASTX:Maize
Start	157	End	429
GI	none	Score	131
Exons	157..195, 241..429, 253..399, 267..425, 308..427		

Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o4.tm	Method	TBLASTX:Maize
Start	431	End	705
GI	none	Score	243
Exons	431..703, 433..705		

Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o2.tw	Method	TBLASTX:Wheat
Start	472	End	870
GI	none	Score	454
Exons	472..870, 479..868		

Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o11.tm	Method	TBLASTX:Maize
Start	709	End	1002
GI	none	Score	222
Exons	709..1002		

Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o5.tw	Method	TBLASTX:Wheat
Start	901	End	1260
GI	none	Score	318
Exons	901..1260, 911..1255		

Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o1.tm	Method	TBLASTX:Maize
Start	1005	End	1353
GI	none	Score	297
Exons	1005..1343, 1009..1353, 1010..1321, 1011..1343, 1012..1350		

Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o1.tc	Method	TBLASTX:Cress

Start	1072	End	1431
GI	none	Score	187
Exons	1072..1431, 1073..1297, 1075..1365		

Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o1.tw	Method	TBLASTX:Wheat
Start	1387	End	1813
GI	none	Score	502
Exons	1387..1812, 1388..1813		

Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o13.tm	Method	TBLASTX:Maize
Start	1438	End	1608
GI	none	Score	112
Exons	1438..1608, 1439..1606, 1444..1608		

Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o4.ts	Method	TBLASTX:Soybean
Start	1529	End	1728
GI	none	Score	74
Exons	1529..1618, 1534..1620, 1616..1714, 1624..1728		

Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o2.ts	Method	TBLASTX:Soybean
Start	1733	End	1990
GI	none	Score	203
Exons	1733..1990, 1733..1921, 1735..1989		

Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o2.tm	Method	TBLASTX:Maize
Start	1750	End	2253
GI	none	Score	149
Exons	1750..2253, 1832..2212		

Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o7.tw	Method	TBLASTX:Wheat
Start	1900	End	2301
GI	none	Score	118
Exons	1900..2301, 1901..2254		

Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o1.ts	Method	TBLASTX:Soybean
Start	2014	End	2373

GI	none	Score	124
Exons	2014..2373, 2027..2254		
Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o3.tm	Method	TBLASTX:Maize
Start	2296	End	2763
GI	none	Score	133
Exons	2296..2763, 2327..2551		
Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o6.tw	Method	TBLASTX:Wheat
Start	2350	End	2832
GI	none	Score	158
Exons	2350..2832, 2384..2704		
Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o8.tm	Method	TBLASTX:Maize
Start	2788	End	3039
GI	none	Score	189
Exons	2788..2931, 2789..2929, 2944..3039		
Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o8.tw	Method	TBLASTX:Wheat
Start	2878	End	3061
GI	none	Score	146
Exons	2878..3060, 2882..3061		
Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o6.tm	Method	TBLASTX:Maize
Start	3112	End	3355
GI	none	Score	114
Exons	3112..3354, 3121..3351, 3146..3355		
Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o3.ts	Method	TBLASTX:Soybean
Start	3115	End	3355
GI	none	Score	108
Exons	3115..3354, 3121..3351, 3161..3355		
Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o3.tw	Method	TBLASTX:Wheat
Start	3115	End	3597
GI	none	Score	126

Exons	3115..3309, 3143..3304, 3153..3323, 3322..3597, 3323..3577, 3328..3585		
Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o4.tw	Method	TBLASTX:Wheat
Start	3946	End	13086
GI	none	Score	171
Exons	3946..4176, 3953..4198, 3954..4202, 3954..4202, 4199..4300, 4237..4299, 4304..4495, 4306..4494, 12592..12882, 12903..13055, 12907..13086		
Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o5.ts	Method	TBLASTX:Soybean
Start	4080	End	13041
GI	none	Score	89
Exons	4080..4199, 4234..4290, 4330..4464, 4331..4465, 12667..12891, 12904..13041		
Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o9.tm	Method	TBLASTX:Maize
Start	4273	End	13086
GI	none	Score	197
Exons	4273..4509, 4274..4498, 4335..4508, 12886..13077, 12907..13086		
Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o2.np	Method	AAT/NAP
Start	8282	End	14059
GI	6069646	Score	460
Exons	8282..8320, 10265..11033, 14023..14059		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o1.gp	Method	AAT/GAP
Start	8756	End	8998
GI	101153_1.R1084	Score	391
Exons	8756..8998		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o2.gp	Method	AAT/GAP

Start	10010	End	10268
GI	61605_3.R1084	Score	421
Exons	10010..10268		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o10.tm	Method	TBLASTX:Maize
Start	10353	End	10712
GI	none	Score	90
Exons	10353..10712, 10402..10698		

Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o5.tm	Method	TBLASTX:Maize
Start	10717	End	15443
GI	none	Score	153
Exons	10717..11031, 10727..11005, 15339..15443		

Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118483	Strand	-
Start	8282	End	15443
Name	OJ000313_07.0419.C38.o3.np	Method	AAT/NAP
Start	11097	End	15352
GI	6815052	Score	1886
Exons	11097..11215, 11484..11554, 11636..12333, 12382..12531, 13299..13391, 14262..14361, 14659..14776, 15044..15114, 15196..15352		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	56637	Seq. ID	OJ000313_07.0419.C38
Gene No.	118484	Strand	
Start	15623	End	16043
Name	OJ000313_07.0419.C38.o7.tm	Method	TBLASTX:Maize
Start	15623	End	16043
GI	none	Score	65
Exons	15623..16042, 15822..16043		

Seq. No.	56638	Seq. ID	OJ000313_07.0419.C39
Gene No.	118485	Strand	+
Start	1	End	742
Name	OJ000313_07.0419.C39.o1.np	Method	AAT/NAP
Start	1	End	742
GI	6466937	Score	542
Exons	1..742		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	56638	Seq. ID	OJ000313_07.0419.C39
Gene No.	118485	Strand	+
Start	1	End	742
Name	OJ000313_07.0419.C39.o1.gs	Method	GENSCAN
Start	104	End	664
GI	none	Score	.71

Exons	104..664		
Seq. No.	56638	Seq. ID	OJ000313_07.0419.C39
Gene No.	118485	Strand	+
Start	1	End	742
Name	OJ000313_07.0419.C39.o1.tm	Method	TBLASTX:Maize
Start	185	End	655
GI	none	Score	561
Exons	185..655, 205..630, 269..643		
Seq. No.	56638	Seq. ID	OJ000313_07.0419.C39
Gene No.	118485	Strand	+
Start	1	End	742
Name	OJ000313_07.0419.C39.o1.tw	Method	TBLASTX:Wheat
Start	278	End	742
GI	none	Score	380
Exons	278..742, 382..702		
Seq. No.	56638	Seq. ID	OJ000313_07.0419.C39
Gene No.	118485	Strand	+
Start	1	End	742
Name	OJ000313_07.0419.C39.o1.ts	Method	TBLASTX:Soybean
Start	302	End	628
GI	none	Score	240
Exons	302..628, 340..504		
Seq. No.	56638	Seq. ID	OJ000313_07.0419.C39
Gene No.	118485	Strand	+
Start	1	End	742
Name	OJ000313_07.0419.C39.o1.tc	Method	TBLASTX:Cress
Start	407	End	742
GI	none	Score	194
Exons	407..742		
Seq. No.	56639	Seq. ID	OJ000223_08.0419.C1
Gene No.	118486	Strand	+
Start	792	End	930
Name	OJ000223_08.0419.C1.o1.gs	Method	GENSCAN
Start	792	End	930
GI	none	Score	.63
Exons	792..930		
Seq. No.	56639	Seq. ID	OJ000223_08.0419.C1
Gene No.	118487	Strand	+
Start	1250	End	1333
Name	OJ000223_08.0419.C1.o1.gp	Method	AAT/GAP
Start	1250	End	1333
GI	LIB3477-003-P1-K1-E9	Score	116
Exons	1250..1333		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	56640	Seq. ID	OJ000223_08.0419.C2
Gene No.	118488	Strand	+
Start	1	End	586
Name	OJ000223_08.0419.C2.o1.np	Method	AAT/NAP

Start	1	End	583
GI	7432989	Score	351
Exons	1..354, 456..583		
GI Descrip.	laccase (EC 1.10.3.2) T9I4.21 - Arabidopsis thaliana gi|3461852|gb|AAC33238.1| (AC005315) putative laccase (diphenol oxidase) [Arabidopsis thaliana]		

Seq. No.	56640	Seq. ID	OJ000223_08.0419.C2
Gene No.	118488	Strand	+
Start	1	End	586
Name	OJ000223_08.0419.C2.o1.gs	Method	GENSCAN
Start	48	End	586
GI	none	Score	.92
Exons	48..354, 456..586		

Seq. No.	56640	Seq. ID	OJ000223_08.0419.C2
Gene No.	118489	Strand	+
Start	2959	End	3663
Name	OJ000223_08.0419.C2.o2.np	Method	AAT/NAP
Start	2699	End	3630
GI	6671949	Score	272
Exons	2699..2794, 2959..3154, 3229..3463, 3543..3630		
GI Descrip.	(AC016795) unknown protein [Arabidopsis thaliana]		

Seq. No.	56640	Seq. ID	OJ000223_08.0419.C2
Gene No.	118489	Strand	+
Start	2959	End	3663
Name	OJ000223_08.0419.C2.o2.gs	Method	GENSCAN
Start	2959	End	3663
GI	none	Score	.88
Exons	2959..3154, 3235..3463, 3510..3663		

Seq. No.	56640	Seq. ID	OJ000223_08.0419.C2
Gene No.	118490	Strand	-
Start	3942	End	4970
Name	OJ000223_08.0419.C2.o1.ts	Method	TBLASTX:Soybean
Start	3	End	588
GI	none	Score	43
Exons	3..62, 168..365, 176..364, 454..588, 455..556		

Seq. No.	56640	Seq. ID	OJ000223_08.0419.C2
Gene No.	118490	Strand	-
Start	3942	End	4970
Name	OJ000223_08.0419.C2.o1.tm	Method	TBLASTX:Maize
Start	6	End	582
GI	none	Score	46
Exons	6..62, 168..365, 176..364, 454..582, 455..556		

Seq. No.	56640	Seq. ID	OJ000223_08.0419.C2
Gene No.	118490	Strand	-
Start	3942	End	4970
Name	OJ000223_08.0419.C2.o2.tc	Method	TBLASTX:Cress
Start	189	End	585
GI	none	Score	35
Exons	189..209, 204..239, 267..356, 269..358, 452..556, 457..585		

Seq. No.	56640	Seq. ID	OJ000223_08.0419.C2

Gene No.	118490	Strand	-
Start	3942	End	4970
Name	OJ000223_08.0419.C2.o2.ts	Method	TBLASTX:Soybean
Start	2956	End	3609
GI	none	Score	99
Exons	2956..3072, 3234..3464, 3428..3463, 3538..3609, 3540..3605		

Seq. No.	56640	Seq. ID	OJ000223_08.0419.C2
Gene No.	118490	Strand	-
Start	3942	End	4970
Name	OJ000223_08.0419.C2.o1.tc	Method	TBLASTX:Cress
Start	2962	End	3609
GI	none	Score	65
Exons	2962..3027, 3222..3464, 3428..3463, 3538..3609, 3540..3608		

Seq. No.	56640	Seq. ID	OJ000223_08.0419.C2
Gene No.	118490	Strand	-
Start	3942	End	4970
Name	OJ000223_08.0419.C2.o2.tm	Method	TBLASTX:Maize
Start	3249	End	3609
GI	none	Score	130
Exons	3249..3464, 3492..3608, 3532..3609		

Seq. No.	56640	Seq. ID	OJ000223_08.0419.C2
Gene No.	118490	Strand	-
Start	3942	End	4970
Name	OJ000223_08.0419.C2.o3.gs	Method	GENSCAN
Start	3942	End	4970
GI	none	Score	.72
Exons	3942..3944, 4302..4461, 4664..4970		

Seq. No.	56641	Seq. ID	OJ000223_08.0419.C6
Gene No.	118491	Strand	+
Start	1857	End	5839
Name	OJ000223_08.0419.C6.o1.gs	Method	GENSCAN
Start	1857	End	5839
GI	none	Score	.54
Exons	1857..2199, 3225..3390, 3431..3511, 3513..3703, 4105..4212, 4404..4579, 5423..5839		

Seq. No.	56642	Seq. ID	OJ000223_08.0419.C7
Gene No.	118492	Strand	+
Start	1	End	1874
Name	OJ000223_08.0419.C7.o1.np	Method	AAT/NAP
Start	1	End	1874
GI	3192881	Score	1612
Exons	1..34, 208..388, 921..1874		
GI Descrip.	(AF068834) starch synthase [Ipomoea batatas]		

Seq. No.	56642	Seq. ID	OJ000223_08.0419.C7
Gene No.	118492	Strand	+
Start	1	End	1874
Name	OJ000223_08.0419.C7.o1.gp	Method	AAT/GAP
Start	213	End	1133
GI	2309983	Score	689
Exons	213..388, 921..1133		
GI Descrip.	2833390/sp|Q43847|UGS3_SOLTU 2.0e-64 GLYCOGEN (STARCH) SYNTHASE		

PRECURSOR (GBSSII) (GRANULE-BOUND STARCH SYNTHASE II)
>gi_887649_emb_CAA61241_ (X87988) glycogen (starch) synthase
[Solanum tuberosum]

Seq. No.	56642	Seq. ID	OJ000223_08.0419.C7
Gene No.	118493	Strand	+
Start	1827	End	2157
Name	OJ000223_08.0419.C7.o2.ts	Method	TBLASTX:Soybean
Start	214	End	995
GI	none	Score	286
Exons	214..384, 215..388, 277..390, 891..995, 920..988		

Seq. No.	56642	Seq. ID	OJ000223_08.0419.C7
Gene No.	118493	Strand	+
Start	1827	End	2157
Name	OJ000223_08.0419.C7.o3.tm	Method	TBLASTX:Maize
Start	217	End	331
GI	none	Score	210
Exons	217..324, 218..331, 221..331		

Seq. No.	56642	Seq. ID	OJ000223_08.0419.C7
Gene No.	118493	Strand	+
Start	1827	End	2157
Name	OJ000223_08.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	332	End	1468
GI	none	Score	90
Exons	332..427, 334..390, 873..1466, 902..1468, 917..1441		

Seq. No.	56642	Seq. ID	OJ000223_08.0419.C7
Gene No.	118493	Strand	+
Start	1827	End	2157
Name	OJ000223_08.0419.C7.o1.tc	Method	TBLASTX:Cress
Start	1293	End	1850
GI	none	Score	453
Exons	1293..1691, 1490..1690, 1680..1850, 1682..1849		

Seq. No.	56642	Seq. ID	OJ000223_08.0419.C7
Gene No.	118493	Strand	+
Start	1827	End	2157
Name	OJ000223_08.0419.C7.o1.ts	Method	TBLASTX:Soybean
Start	1316	End	1882
GI	none	Score	815
Exons	1316..1876, 1317..1877, 1331..1882		

Seq. No.	56642	Seq. ID	OJ000223_08.0419.C7
Gene No.	118493	Strand	+
Start	1827	End	2157
Name	OJ000223_08.0419.C7.o2.tm	Method	TBLASTX:Maize
Start	1518	End	1880
GI	none	Score	527
Exons	1518..1880, 1523..1876, 1776..1877		

Seq. No.	56642	Seq. ID	OJ000223_08.0419.C7
Gene No.	118493	Strand	+
Start	1827	End	2157
Name	OJ000223_08.0419.C7.o2.gp	Method	AAT/GAP
Start	1827	End	2157

GI	427443	Score	646
Exons	1827..2157		
Seq. No.	56643	Seq. ID	OJ000223_08.0419.C8
Gene No.	118494	Strand	+
Start	1193	End	1581
Name	OJ000223_08.0419.C8.o1.gs	Method	GENSCAN
Start	1193	End	1581
GI	none	Score	.96
Exons	1193..1581		
Seq. No.	56643	Seq. ID	OJ000223_08.0419.C8
Gene No.	118495	Strand	+
Start	7012	End	7304
Name	OJ000223_08.0419.C8.o4.gs	Method	GENSCAN
Start	7012	End	7304
GI	none	Score	.97
Exons	7012..7132, 7208..7304		
Seq. No.	56643	Seq. ID	OJ000223_08.0419.C8
Gene No.	118496	Strand	-
Start	2232	End	2945
Name	OJ000223_08.0419.C8.o2.gs	Method	GENSCAN
Start	2232	End	2945
GI	none	Score	.79
Exons	2232..2945		
Seq. No.	56644	Seq. ID	OJ000223_08.0419.C9
Gene No.	118497	Strand	+
Start	61	End	439
Name	OJ000223_08.0419.C9.o1.gs	Method	GENSCAN
Start	61	End	439
GI	none	Score	.96
Exons	61..439		
Seq. No.	56644	Seq. ID	OJ000223_08.0419.C9
Gene No.	118498	Strand	+
Start	6265	End	7041
Name	OJ000223_08.0419.C9.o3.gs	Method	GENSCAN
Start	6265	End	7041
GI	none	Score	.71
Exons	6265..6750, 6865..7041		
Seq. No.	56644	Seq. ID	OJ000223_08.0419.C9
Gene No.	118498	Strand	+
Start	6265	End	7041
Name	OJ000223_08.0419.C9.o2.np	Method	AAT/NAP
Start	6376	End	7035
GI	3551838	Score	332
Exons	6376..6561, 6649..6750, 6865..7035		
GI Descrip.	(AF070967) SKP1-like protein [Nicotiana clevelandii]		
Seq. No.	56644	Seq. ID	OJ000223_08.0419.C9
Gene No.	118499	Strand	-
Start	819	End	5431
Name	OJ000223_08.0419.C9.o1.np	Method	AAT/NAP
Start	819	End	3448

GI	6503014	Score	571
Exons	819..869, 1132..1212, 1468..1527, 1975..2033, 2167..2240, 2350..2396, 2607..2690, 2806..2954, 3081..3219, 3296..3448		
GI Descrip.	(AF174429) FH protein interacting protein FIP2 [Arabidopsis thaliana]		

Seq. No.	56644	Seq. ID	OJ000223_08.0419.C9
Gene No.	118499	Strand	-
Start	819	End	5431
Name	OJ000223_08.0419.C9.o2.gs	Method	GENSCAN
Start	989	End	5431
GI	none	Score	.64
Exons	989..994, 1132..1212, 2607..2690, 2806..2967, 3046..3222, 3296..3402, 3501..3771, 5426..5431		

Seq. No.	56644	Seq. ID	OJ000223_08.0419.C9
Gene No.	118499	Strand	-
Start	819	End	5431
Name	OJ000223_08.0419.C9.o1.gp	Method	AAT/GAP
Start	2906	End	3641
GI	uC-osflcyp126a06b1	Score	813
Exons	2906..2967, 3082..3222, 3296..3402, 3501..3641		
GI Descrip.	'1086886 5.0e-10 (U41276) Similar to potassium channel protein. [Caenorhabditis elegans]'		

Seq. No.	56644	Seq. ID	OJ000223_08.0419.C9
Gene No.	118500	Strand	-
Start	8878	End	9147
Name	OJ000223_08.0419.C9.o1.tc	Method	TBLASTX:Cress
Start	6379	End	7049
GI	none	Score	128
Exons	6379..6555, 6688..6750, 6865..7035, 6924..7049		

Seq. No.	56644	Seq. ID	OJ000223_08.0419.C9
Gene No.	118500	Strand	-
Start	8878	End	9147
Name	OJ000223_08.0419.C9.o1.tm	Method	TBLASTX:Maize
Start	6385	End	7035
GI	none	Score	132
Exons	6385..6555, 6865..7035		

Seq. No.	56644	Seq. ID	OJ000223_08.0419.C9
Gene No.	118500	Strand	-
Start	8878	End	9147
Name	OJ000223_08.0419.C9.o1.ts	Method	TBLASTX:Soybean
Start	6403	End	7035
GI	none	Score	115
Exons	6403..6555, 6688..6750, 6865..7035, 6924..7034		

Seq. No.	56644	Seq. ID	OJ000223_08.0419.C9
Gene No.	118500	Strand	-
Start	8878	End	9147
Name	OJ000223_08.0419.C9.o4.gs	Method	GENSCAN
Start	8878	End	9147
GI	none	Score	.89
Exons	8878..9147		

Seq. No.	56645	Seq. ID	OJ000223_08.0419.C10
Gene No.	118501	Strand	-
Start	1	End	5255
Name	OJ000223_08.0419.C10.o1.np	Method	AAT/NAP
Start	1	End	1100
GI	5734725	Score	167
Exons	1..327, 413..846, 996..1100		
GI Descrip.	(AC007259) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56645	Seq. ID	OJ000223_08.0419.C10
Gene No.	118501	Strand	-
Start	1	End	5255
Name	OJ000223_08.0419.C10.o1.gs	Method	GENSCAN
Start	38	End	5255
GI	none	Score	.54
Exons	38..295, 376..846, 933..1254, 1811..1952, 2281..2480, 2546..2605, 3213..3353, 3964..4272, 4436..4528, 4593..4638, 5087..5255		

Seq. No.	56646	Seq. ID	OJ000223_08.0419.C11
Gene No.	118502	Strand	+
Start	366	End	1204
Name	OJ000223_08.0419.C11.o1.gp	Method	AAT/GAP
Start	366	End	1204
GI	none	Score	1614
Exons	366..1204		

Seq. No.	56647	Seq. ID	OJ000223_08.0419.C12
Gene No.	118503	Strand	-
Start	495	End	2148
Name	OJ000223_08.0419.C12.o1.gs	Method	GENSCAN
Start	495	End	2148
GI	none	Score	.66
Exons	495..549, 668..812, 1151..1293, 1471..1594, 2047..2148		

Seq. No.	56647	Seq. ID	OJ000223_08.0419.C12
Gene No.	118503	Strand	-
Start	495	End	2148
Name	OJ000223_08.0419.C12.o1.np	Method	AAT/NAP
Start	1673	End	2148
GI	7340905	Score	113
Exons	1673..1793, 2041..2148		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	56648	Seq. ID	OJ000223_08.0419.C13
Gene No.	118504	Strand	-
Start	1	End	1371
Name	OJ000223_08.0419.C13.o1.np	Method	AAT/NAP
Start	1	End	1371
GI	5042454	Score	84
Exons	1..32, 1172..1371		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	56648	Seq. ID	OJ000223_08.0419.C13
Gene No.	118504	Strand	-
Start	1	End	1371
Name	OJ000223_08.0419.C13.o1.gp	Method	AAT/GAP

Start	785	End	892
GI	uC-osflcyp088b12b1	Score	141
Exons	785..892		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118505	Strand	+
Start	407	End	3641
Name	OJ000223_08.0419.C14.o1.gs	Method	GENSCAN
Start	407	End	3641
GI	none	Score	.46
Exons	407..1704, 1760..3641		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118505	Strand	+
Start	407	End	3641
Name	OJ000223_08.0419.C14.o1.np	Method	AAT/NAP
Start	407	End	3638
GI	5803259	Score	4272
Exons	407..1665, 1760..3638		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118506	Strand	+
Start	10264	End	12487
Name	OJ000223_08.0419.C14.o4.np	Method	AAT/NAP
Start	10264	End	11544
GI	7523512	Score	118
Exons	10264..10291, 11345..11544		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118506	Strand	+
Start	10264	End	12487
Name	OJ000223_08.0419.C14.o3.np	Method	AAT/NAP
Start	10509	End	12487
GI	5922623	Score	359
Exons	10509..10589, 10973..11120, 11289..11364, 12259..12487		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118507	Strand	-
Start	4284	End	13574
Name	OJ000223_08.0419.C14.o2.np	Method	AAT/NAP
Start	4284	End	10432
GI	7228457	Score	9188
Exons	4284..5834, 5901..7052, 7175..8009, 8073..10002, 10064..10432		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118507	Strand	-
Start	4284	End	13574

Name	OJ000223_08.0419.C14.o5.tm	Method	TBLASTX:Maize
Start	4284	End	4424
GI	none	Score	122
Exons	4284..4424, 4285..4419		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118507	Strand	-
Start	4284	End	13574
Name	OJ000223_08.0419.C14.o7.tw	Method	TBLASTX:Wheat
Start	4293	End	4895
GI	none	Score	83
Exons	4293..4418, 4297..4419, 4585..4755, 4611..4895, 4612..4890		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118507	Strand	-
Start	4284	End	13574
Name	OJ000223_08.0419.C14.o3.tw	Method	TBLASTX:Wheat
Start	4896	End	5277
GI	none	Score	165
Exons	4896..5276, 4927..5175, 5221..5277		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118507	Strand	-
Start	4284	End	13574
Name	OJ000223_08.0419.C14.o2.tm	Method	TBLASTX:Maize
Start	5091	End	5414
GI	none	Score	192
Exons	5091..5414, 5104..5385		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118507	Strand	-
Start	4284	End	13574
Name	OJ000223_08.0419.C14.o8.tw	Method	TBLASTX:Wheat
Start	5607	End	5919
GI	none	Score	57
Exons	5607..5858, 5718..5906, 5743..5919		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118507	Strand	-
Start	4284	End	13574
Name	OJ000223_08.0419.C14.o5.tw	Method	TBLASTX:Wheat
Start	5922	End	6380
GI	none	Score	92
Exons	5922..6071, 5923..6060, 5925..6062, 6118..6291, 6132..6380, 6132..6356		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118507	Strand	-
Start	4284	End	13574
Name	OJ000223_08.0419.C14.o1.ts	Method	TBLASTX:Soybean
Start	6981	End	7352
GI	none	Score	90
Exons	6981..7352, 7192..7335		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118507	Strand	-
Start	4284	End	13574

Name	OJ000223_08.0419.C14.o2.tw	Method	TBLASTX:Wheat
Start	7006	End	7430
GI	none	Score	326
Exons	7006..7425, 7011..7430		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118507	Strand	-
Start	4284	End	13574
Name	OJ000223_08.0419.C14.o3.tm	Method	TBLASTX:Maize
Start	7104	End	7488
GI	none	Score	217
Exons	7104..7487, 7123..7488		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118507	Strand	-
Start	4284	End	13574
Name	OJ000223_08.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	7515	End	7871
GI	none	Score	115
Exons	7515..7820, 7515..7871, 7525..7836		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118507	Strand	-
Start	4284	End	13574
Name	OJ000223_08.0419.C14.o1.tw	Method	TBLASTX:Wheat
Start	7539	End	8002
GI	none	Score	400
Exons	7539..8000, 7540..8001, 7559..8002		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118507	Strand	-
Start	4284	End	13574
Name	OJ000223_08.0419.C14.o2.ts	Method	TBLASTX:Soybean
Start	7596	End	7961
GI	none	Score	117
Exons	7596..7730, 7737..7961		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118507	Strand	-
Start	4284	End	13574
Name	OJ000223_08.0419.C14.o4.tw	Method	TBLASTX:Wheat
Start	8166	End	8651
GI	none	Score	86
Exons	8166..8327, 8170..8325, 8224..8352, 8301..8456, 8330..8650, 8478..8651		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118507	Strand	-
Start	4284	End	13574
Name	OJ000223_08.0419.C14.o5.np	Method	AAT/NAP
Start	8777	End	13574
GI	1491621	Score	152
Exons	8777..9233, 10011..10058, 10246..10420, 12832..13331, 13436..13574		
GI Descrip.	(Z78205) UL36 [Bovine herpesvirus 1] gi|2653311|emb|CAA06097| (AJ004801) very large virion protein (tegument) [Bovine herpesvirus type 1.1]		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118507	Strand	-
Start	4284	End	13574
Name	OJ000223_08.0419.C14.o6.tw	Method	TBLASTX:Wheat
Start	9389	End	9781
GI	none	Score	88
Exons	9389..9646, 9423..9662, 9629..9727, 9630..9710, 9734..9781		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118507	Strand	-
Start	4284	End	13574
Name	OJ000223_08.0419.C14.o4.tm	Method	TBLASTX:Maize
Start	9491	End	9776
GI	none	Score	102
Exons	9491..9739, 9492..9776		

Seq. No.	56649	Seq. ID	OJ000223_08.0419.C14
Gene No.	118507	Strand	-
Start	4284	End	13574
Name	OJ000223_08.0419.C14.o3.gs	Method	GENSCAN
Start	12737	End	13331
GI	none	Score	.93
Exons	12737..13157, 13203..13331		

Seq. No.	56650	Seq. ID	OJ000223_08.0419.C15
Gene No.	118508	Strand	-
Start	1340	End	3792
Name	OJ000223_08.0419.C15.o1.gs	Method	GENSCAN
Start	1340	End	3792
GI	none	Score	.56
Exons	1340..1396, 1874..1998, 3025..3048, 3066..3248, 3597..3792		

Seq. No.	56651	Seq. ID	OJ000223_08.0419.C17
Gene No.	118509	Strand	+
Start	1279	End	2076
Name	OJ000223_08.0419.C17.o2.np	Method	AAT/NAP
Start	1279	End	2076
GI	6069646	Score	409
Exons	1279..2076		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	56651	Seq. ID	OJ000223_08.0419.C17
Gene No.	118510	Strand	-
Start	1	End	2127
Name	OJ000223_08.0419.C17.o1.np	Method	AAT/NAP
Start	1	End	2127
GI	6006869	Score	147
Exons	1..107, 395..478, 2100..2127		
GI Descrip.	(AC009540) putative cationic amino acid transporter [Arabidopsis thaliana]		

Seq. No.	56651	Seq. ID	OJ000223_08.0419.C17

Gene No.	118510	Strand	-
Start	1	End	2127
Name	OJ000223_08.0419.C17.o1.gs	Method	GENSCAN
Start	17	End	2063
GI	none	Score	.56
Exons	17..107, 395..470, 577..683, 767..893, 1860..1943, 2057..2063		

Seq. No.	56651	Seq. ID	OJ000223_08.0419.C17
Gene No.	118510	Strand	-
Start	1	End	2127
Name	OJ000223_08.0419.C17.o1.tm	Method	TBLASTX:Maize
Start	1477	End	2034
GI	none	Score	80
Exons	1477..1596, 1600..1836, 1609..1860, 1891..2034		

Seq. No.	56651	Seq. ID	OJ000223_08.0419.C17
Gene No.	118510	Strand	-
Start	1	End	2127
Name	OJ000223_08.0419.C17.o1.tw	Method	TBLASTX:Wheat
Start	1609	End	1797
GI	none	Score	205
Exons	1609..1797		

Seq. No.	56652	Seq. ID	OJ000223_08.0419.C18
Gene No.	118511	Strand	-
Start	247	End	2248
Name	OJ000223_08.0419.C18.o1.gs	Method	GENSCAN
Start	247	End	2039
GI	none	Score	.71
Exons	247..427, 515..673, 910..976, 1096..1268, 1729..1825, 1909..2039		

Seq. No.	56652	Seq. ID	OJ000223_08.0419.C18
Gene No.	118511	Strand	-
Start	247	End	2248
Name	OJ000223_08.0419.C18.o1.np	Method	AAT/NAP
Start	269	End	2248
GI	6006869	Score	659
Exons	269..427, 515..673, 910..976, 1096..1268, 1729..1825, 1909..2027, 2127..2248		
GI Descrip.	(AC009540) putative cationic amino acid transporter [Arabidopsis thaliana]		

Seq. No.	56652	Seq. ID	OJ000223_08.0419.C18
Gene No.	118511	Strand	-
Start	247	End	2248
Name	OJ000223_08.0419.C18.o1.tm	Method	TBLASTX:Maize
Start	320	End	2246
GI	none	Score	84
Exons	320..448, 351..428, 510..674, 512..673, 514..675, 515..676, 910..975, 914..979, 1035..1271, 1081..1269, 1092..1289, 1094..1276, 1726..1824, 1727..1822, 1920..2030, 1923..2030, 2127..2246, 2128..2208		

Seq. No.	56652	Seq. ID	OJ000223_08.0419.C18
Gene No.	118511	Strand	-
Start	247	End	2248
Name	OJ000223_08.0419.C18.o1.tc	Method	TBLASTX:Cress

Start	350	End	686
GI	none	Score	58
Exons	350..427, 350..448, 351..428, 510..686, 512..673		

Seq. No.	56652	Seq. ID	OJ000223_08.0419.C18
Gene No.	118511	Strand	-
Start	247	End	2248
Name	OJ000223_08.0419.C18.o1.ts	Method	TBLASTX:Soybean
Start	548	End	1238
GI	none	Score	75
Exons	548..673, 549..677, 895..978, 1092..1211, 1092..1238, 1093..1215		

Seq. No.	56652	Seq. ID	OJ000223_08.0419.C18
Gene No.	118511	Strand	-
Start	247	End	2248
Name	OJ000223_08.0419.C18.o2.tc	Method	TBLASTX:Cress
Start	1131	End	2030
GI	none	Score	113
Exons	1131..1271, 1132..1269, 1140..1271, 1726..1836, 1727..1822, 1921..2028, 1923..2030, 1960..2028		

Seq. No.	56653	Seq. ID	OJ000223_08.0419.C19
Gene No.	118512	Strand	-
Start	52	End	825
Name	OJ000223_08.0419.C19.o1.gs	Method	GENSCAN
Start	52	End	825
GI	none	Score	.81
Exons	52..141, 536..825		

Seq. No.	56654	Seq. ID	OJ000223_08.0419.C20
Gene No.	118513	Strand	+
Start	141	End	2513
Name	OJ000223_08.0419.C20.o1.gs	Method	GENSCAN
Start	141	End	2513
GI	none	Score	.53
Exons	141..306, 732..1010, 1406..1637, 2104..2513		

Seq. No.	56654	Seq. ID	OJ000223_08.0419.C20
Gene No.	118514	Strand	+
Start	5970	End	8808
Name	OJ000223_08.0419.C20.o2.np	Method	AAT/NAP
Start	5970	End	8808
GI	4587554	Score	797
Exons	5970..5991, 7169..8808		
GI Descrip.	(AC006577) Similar to gb|AJ005701 Na/Ca,K-exchanger from Caenorhabditis elegans. ESTs gb|T04173 and gb|AA585918 come from this gene. [Arabidopsis thaliana]		

Seq. No.	56654	Seq. ID	OJ000223_08.0419.C20
Gene No.	118515	Strand	+
Start	14401	End	17217
Name	OJ000223_08.0419.C20.o3.np	Method	AAT/NAP
Start	14401	End	17217
GI	6091754	Score	966
Exons	14401..14896, 15006..15081, 15289..15416, 16691..17034, 17110..17217		
GI Descrip.	(AC009327) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56654	Seq. ID	OJ000223_08.0419.C20
Gene No.	118516	Strand	-
Start	5615	End	5730
Name	OJ000223_08.0419.C20.o1.np	Method	AAT/NAP
Start	5615	End	5730
GI	6815099	Score	76
Exons	5615..5730		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	56654	Seq. ID	OJ000223_08.0419.C20
Gene No.	118517	Strand	-
Start	16693	End	17523
Name	OJ000223_08.0419.C20.o2.ts	Method	TBLASTX:Soybean
Start	7295	End	7675
GI	none	Score	53
Exons	7295..7339, 7352..7546, 7354..7521, 7577..7675		

Seq. No.	56654	Seq. ID	OJ000223_08.0419.C20
Gene No.	118517	Strand	-
Start	16693	End	17523
Name	OJ000223_08.0419.C20.o2.tm	Method	TBLASTX:Maize
Start	7592	End	8086
GI	none	Score	215
Exons	7592..7882, 7850..7933, 7928..7972, 8030..8086		

Seq. No.	56654	Seq. ID	OJ000223_08.0419.C20
Gene No.	118517	Strand	-
Start	16693	End	17523
Name	OJ000223_08.0419.C20.o3.tm	Method	TBLASTX:Maize
Start	8290	End	8475
GI	none	Score	223
Exons	8290..8475, 8310..8450, 8329..8460		

Seq. No.	56654	Seq. ID	OJ000223_08.0419.C20
Gene No.	118517	Strand	-
Start	16693	End	17523
Name	OJ000223_08.0419.C20.o1.ts	Method	TBLASTX:Soybean
Start	14550	End	16995
GI	none	Score	322
Exons	14550..14894, 14551..14895, 15005..15079, 15108..15185, 15296..15331, 15374..15445, 16750..16995, 16788..16976, 16801..16977		

Seq. No.	56654	Seq. ID	OJ000223_08.0419.C20
Gene No.	118517	Strand	-
Start	16693	End	17523
Name	OJ000223_08.0419.C20.o1.tm	Method	TBLASTX:Maize
Start	14563	End	16944
GI	none	Score	355
Exons	14563..14895, 14568..14894, 14841..14897, 14992..15084, 15005..15079, 16677..16742, 16690..16779, 16750..16944, 16788..16931		

Seq. No.	56654	Seq. ID	OJ000223_08.0419.C20
Gene No.	118517	Strand	-
Start	16693	End	17523

Name	OJ000223_08.0419.C20.o2.tc	Method	TBLASTX:Cress
Start	14737	End	15079
GI	none	Score	157
Exons	14737..14895, 15005..15079		

Seq. No.	56654	Seq. ID	OJ000223_08.0419.C20
Gene No.	118517	Strand	-
Start	16693	End	17523
Name	OJ000223_08.0419.C20.o3.gs	Method	GENSCAN
Start	16693	End	17232
GI	none	Score	.43
Exons	16693..17232		

Seq. No.	56654	Seq. ID	OJ000223_08.0419.C20
Gene No.	118517	Strand	-
Start	16693	End	17523
Name	OJ000223_08.0419.C20.o1.tc	Method	TBLASTX:Cress
Start	16774	End	16995
GI	none	Score	235
Exons	16774..16995, 16788..16976		

Seq. No.	56654	Seq. ID	OJ000223_08.0419.C20
Gene No.	118517	Strand	-
Start	16693	End	17523
Name	OJ000223_08.0419.C20.o2.gp	Method	AAT/GAP
Start	17092	End	17523
GI	none	Score	842
Exons	17092..17523		

Seq. No.	56655	Seq. ID	OJ000223_08.0419.C21
Gene No.	118518	Strand	-
Start	637	End	728
Name	OJ000223_08.0419.C21.o1.np	Method	AAT/NAP
Start	637	End	728
GI	6815099	Score	80
Exons	637..728		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	56656	Seq. ID	OJ000223_08.0419.C23
Gene No.	118519	Strand	+
Start	5257	End	5423
Name	OJ000223_08.0419.C23.o3.np	Method	AAT/NAP
Start	5257	End	5423
GI	6069651	Score	103
Exons	5257..5423		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	56656	Seq. ID	OJ000223_08.0419.C23
Gene No.	118520	Strand	-
Start	1	End	1636
Name	OJ000223_08.0419.C23.o1.np	Method	AAT/NAP
Start	1	End	1636
GI	2833313	Score	59
Exons	1..75, 1162..1636		
GI Descrip.	FIBRILLARIN gi|7506840|pir||T24279 hypothetical protein T01C3.7 - Caenorhabditis elegans gi|3879244|emb|CAB01657.1| (Z78413) predicted using Genefinder; Similarity to Xenopus fibrillarin		

protein (SW:FBRL_XENLA); cDNA EST EMBL:D73496 comes from this gene; cDNA EST EMBL:M89444 comes from this gene; cDNA EST EMBL:D70946 comes from this gene; cDNA EST EMBL:D72941 comes

Seq. No.	56656	Seq. ID	OJ000223_08.0419.C23
Gene No.	118521	Strand	-
Start	4221	End	4621
Name	OJ000223_08.0419.C23.o1.tm	Method	TBLASTX:Maize
Start	457	End	682
GI	none	Score	67
Exons	457..672, 515..682		

Seq. No.	56656	Seq. ID	OJ000223_08.0419.C23
Gene No.	118521	Strand	-
Start	4221	End	4621
Name	OJ000223_08.0419.C23.o2.np	Method	AAT/NAP
Start	4221	End	4621
GI	1621467	Score	139
Exons	4221..4374, 4493..4621		
GI Descrip.	(U73106) laccase [Liriodendron tulipifera]		

Seq. No.	56656	Seq. ID	OJ000223_08.0419.C23
Gene No.	118521	Strand	-
Start	4221	End	4621
Name	OJ000223_08.0419.C23.o1.ts	Method	TBLASTX:Soybean
Start	4222	End	4374
GI	none	Score	107
Exons	4222..4374, 4223..4372		

Seq. No.	56657	Seq. ID	OJ000223_08.0419.C24
Gene No.	118522	Strand	+
Start	2270	End	3279
Name	OJ000223_08.0419.C24.o1.gp	Method	AAT/GAP
Start	2230	End	2544
GI	2428757	Score	545
Exons	2230..2544		

Seq. No.	56657	Seq. ID	OJ000223_08.0419.C24
Gene No.	118522	Strand	+
Start	2270	End	3279
Name	OJ000223_08.0419.C24.o2.gs	Method	GENSCAN
Start	2270	End	2965
GI	none	Score	.81
Exons	2270..2965		

Seq. No.	56657	Seq. ID	OJ000223_08.0419.C24
Gene No.	118522	Strand	+
Start	2270	End	3279
Name	OJ000223_08.0419.C24.o1.np	Method	AAT/NAP
Start	2591	End	3279
GI	4585987	Score	154
Exons	2591..2662, 2780..2971, 3242..3279		
GI Descrip.	(AC005287) Similar to nucleolar protein [Arabidopsis thaliana]		

Seq. No.	56657	Seq. ID	OJ000223_08.0419.C24
Gene No.	118523	Strand	-
Start	681	End	1047

Name	OJ000223_08.0419.C24.o1.gs	Method	GENSCAN
Start	681	End	1047
GI	none	Score	.41
Exons	681..853, 1044..1047		

Seq. No.	56657	Seq. ID	OJ000223_08.0419.C24
Gene No.	118524	Strand	
Start	2789	End	2973
Name	OJ000223_08.0419.C24.o1.tc	Method	TBLASTX:Cress
Start	2789	End	2967
GI	none	Score	186
Exons	2789..2965, 2791..2967		

Seq. No.	56657	Seq. ID	OJ000223_08.0419.C24
Gene No.	118524	Strand	
Start	2789	End	2973
Name	OJ000223_08.0419.C24.o1.ts	Method	TBLASTX:Soybean
Start	2818	End	2973
GI	none	Score	182
Exons	2818..2973, 2819..2965		

Seq. No.	56658	Seq. ID	OJ000223_08.0419.C25
Gene No.	118525	Strand	+
Start	1	End	873
Name	OJ000223_08.0419.C25.o1.np	Method	AAT/NAP
Start	1	End	873
GI	4585987	Score	58
Exons	1..57, 156..321, 801..873		
GI Descrip.	(AC005287) Similar to nucleolar protein [Arabidopsis thaliana]		

Seq. No.	56658	Seq. ID	OJ000223_08.0419.C25
Gene No.	118525	Strand	+
Start	1	End	873
Name	OJ000223_08.0419.C25.o1.gs	Method	GENSCAN
Start	168	End	311
GI	none	Score	.83
Exons	168..311		

Seq. No.	56658	Seq. ID	OJ000223_08.0419.C25
Gene No.	118526	Strand	-
Start	154	End	313
Name	OJ000223_08.0419.C25.o1.gp	Method	AAT/GAP
Start	154	End	313
GI	uC-osflcyp057h06b1	Score	271
Exons	154..313		
GI Descrip.	'4585987/gb|AAD25623.1|AC005287_25 1.0e-53 (AC005287) Similar to nucleolar protein [Arabidopsis thaliana]'		

Seq. No.	56659	Seq. ID	OJ000403_08.0426.C1
Gene No.	118527	Strand	+
Start	4322	End	7128
Name	OJ000403_08.0426.C1.o1.gs	Method	GENSCAN
Start	4322	End	7128
GI	none	Score	.54
Exons	4322..4442, 6488..6649, 7031..7128		

Seq. No.	56660	Seq. ID	OJ000403_08.0426.C2

Gene No.	118528	Strand	+
Start	1146	End	1590
Name	OJ000403_08.0426.C2.o1.gs	Method	GENSCAN
Start	1146	End	1590
GI	none	Score	.54
Exons	1146..1161, 1565..1590		

Seq. No.	56660	Seq. ID	OJ000403_08.0426.C2
Gene No.	118529	Strand	+
Start	8036	End	9476
Name	OJ000403_08.0426.C2.o3.gs	Method	GENSCAN
Start	8036	End	9476
GI	none	Score	.61
Exons	8036..8117, 8160..8231, 8723..8863, 9206..9282, 9339..9476		

Seq. No.	56660	Seq. ID	OJ000403_08.0426.C2
Gene No.	118530	Strand	-
Start	2344	End	3585
Name	OJ000403_08.0426.C2.o2.gs	Method	GENSCAN
Start	2344	End	3585
GI	none	Score	.46
Exons	2344..2364, 3547..3585		

Seq. No.	56660	Seq. ID	OJ000403_08.0426.C2
Gene No.	118531	Strand	-
Start	10425	End	10911
Name	OJ000403_08.0426.C2.o4.gs	Method	GENSCAN
Start	10425	End	10911
GI	none	Score	.46
Exons	10425..10453, 10746..10911		

Seq. No.	56661	Seq. ID	OJ000403_08.0426.C3
Gene No.	118532	Strand	+
Start	878	End	1252
Name	OJ000403_08.0426.C3.o1.gp	Method	AAT/GAP
Start	878	End	1252
GI	none	Score	693
Exons	878..1252		

Seq. No.	56661	Seq. ID	OJ000403_08.0426.C3
Gene No.	118533	Strand	-
Start	1254	End	9107
Name	OJ000403_08.0426.C3.o3.tm	Method	TBLASTX:Maize
Start	1130	End	1527
GI	none	Score	44
Exons	1130..1222, 1152..1223, 1217..1315, 1275..1391, 1303..1416, 1311..1406, 1312..1416, 1426..1527, 1446..1526		

Seq. No.	56661	Seq. ID	OJ000403_08.0426.C3
Gene No.	118533	Strand	-
Start	1254	End	9107
Name	OJ000403_08.0426.C3.o1.gs	Method	GENSCAN
Start	1254	End	4312
GI	none	Score	.93
Exons	1254..2247, 2319..2470, 2554..2715, 3152..3214, 3413..3541, 3725..3838, 4259..4312		

Seq. No.	56661	Seq. ID	OJ000403_08.0426.C3
Gene No.	118533	Strand	-
Start	1254	End	9107
Name	OJ000403_08.0426.C3.o1.np	Method	AAT/NAP
Start	1257	End	8591
GI	6682630	Score	2169
Exons	1257..1837, 1930..2247, 2319..2437, 2554..2715, 3152..3214, 3413..3541, 3725..3838, 4259..4345, 5324..5410, 5651..5712, 5856..5982, 6191..6373, 6841..6951, 7424..7528, 8100..8591		
GI Descrip.	(AC016163) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56661	Seq. ID	OJ000403_08.0426.C3
Gene No.	118533	Strand	-
Start	1254	End	9107
Name	OJ000403_08.0426.C3.o1.tm	Method	TBLASTX:Maize
Start	1542	End	7530
GI	none	Score	250
Exons	1542..1925, 1542..1838, 1544..1939, 1544..1849, 1930..2013, 1931..2011, 1932..2012, 1947..2018, 1948..2019, 2011..2100, 2013..2099, 2141..2248, 2145..2249, 2146..2250, 2311..2433, 2319..2438, 2319..2432, 2321..2440, 2321..2440, 2554..2715, 2555..2716, 2555..2716, 3126..3200, 3149..3217, 3405..3542, 3410..3544, 3413..3544, 3418..3555, 3708..3839, 3716..3841, 3724..3840, 3725..3841, 4254..4346, 4257..4343, 4259..4378, 4259..4348, 5320..5409, 5321..5416, 5322..5411, 5324..5422, 5639..5710, 5649..5720, 5650..5709, 5651..5713, 5853..5972, 5854..5991, 5855..5992, 5855..5992, 6191..6373, 6192..6374, 6193..6384, 6839..6952, 6839..6952, 6841..6957, 6841..6954, 7410..7508, 7424..7528, 7424..7528, 7426..7530		

Seq. No.	56661	Seq. ID	OJ000403_08.0426.C3
Gene No.	118533	Strand	-
Start	1254	End	9107
Name	OJ000403_08.0426.C3.o2.gp	Method	AAT/GAP
Start	2013	End	2153
GI	none	Score	237
Exons	2013..2153		

Seq. No.	56661	Seq. ID	OJ000403_08.0426.C3
Gene No.	118533	Strand	-
Start	1254	End	9107
Name	OJ000403_08.0426.C3.o3.gp	Method	AAT/GAP
Start	4283	End	5884
GI	uC-osflm202002e07b1	Score	406
Exons	4283..4345, 5324..5410, 5651..5712, 5856..5884		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	56661	Seq. ID	OJ000403_08.0426.C3
Gene No.	118533	Strand	-
Start	1254	End	9107
Name	OJ000403_08.0426.C3.o2.gs	Method	GENSCAN
Start	5318	End	9107
GI	none	Score	.68
Exons	5318..5445, 5856..5982, 6191..6373, 6841..6951, 8100..8747, 9054..9107		

Seq. No.	56661	Seq. ID	OJ000403_08.0426.C3
Gene No.	118533	Strand	-
Start	1254	End	9107
Name	OJ000403_08.0426.C3.o4.tm	Method	TBLASTX:Maize
Start	8097	End	8229
GI	none	Score	77
Exons	8097..8156, 8100..8228, 8140..8229		

Seq. No.	56661	Seq. ID	OJ000403_08.0426.C3
Gene No.	118533	Strand	-
Start	1254	End	9107
Name	OJ000403_08.0426.C3.o2.tm	Method	TBLASTX:Maize
Start	8229	End	8757
GI	none	Score	255
Exons	8229..8591, 8362..8592, 8646..8669, 8686..8757		

Seq. No.	56662	Seq. ID	OJ000403_08.0426.C4
Gene No.	118534	Strand	+
Start	1028	End	5698
Name	OJ000403_08.0426.C4.o1.np	Method	AAT/NAP
Start	1028	End	5698
GI	6815097	Score	3317
Exons	1028..1896, 2402..3013, 3128..4791, 4933..5698		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	56662	Seq. ID	OJ000403_08.0426.C4
Gene No.	118534	Strand	+
Start	1028	End	5698
Name	OJ000403_08.0426.C4.o1.gs	Method	GENSCAN
Start	1330	End	5404
GI	none	Score	.62
Exons	1330..1670, 1908..2032, 2305..2828, 3112..4660, 4766..5404		

Seq. No.	56662	Seq. ID	OJ000403_08.0426.C4
Gene No.	118535	Strand	-
Start	6831	End	7686
Name	OJ000403_08.0426.C4.o1.ts	Method	TBLASTX:Soybean
Start	4319	End	4764
GI	5509260	Score	187
Exons	4319..4657, 4322..4525, 4684..4764, 4685..4756		
GI Descrip.	-		

Seq. No.	56662	Seq. ID	OJ000403_08.0426.C4
Gene No.	118535	Strand	-
Start	6831	End	7686
Name	OJ000403_08.0426.C4.o1.tc	Method	TBLASTX:Cress
Start	4373	End	4633
GI	none	Score	186
Exons	4373..4633, 4375..4632		

Seq. No.	56662	Seq. ID	OJ000403_08.0426.C4
Gene No.	118535	Strand	-
Start	6831	End	7686
Name	OJ000403_08.0426.C4.o1.tw	Method	TBLASTX:Wheat
Start	4412	End	5218
GI	none	Score	147

Exons	4412..4651, 4685..4732, 4793..4870, 5138..5218		
Seq. No.	56662	Seq. ID	OJ000403_08.0426.C4
Gene No.	118535	Strand	-
Start	6831	End	7686
Name	OJ000403_08.0426.C4.o3.tm	Method	TBLASTX:Maize
Start	4421	End	4855
GI	none	Score	134
Exons	4421..4645, 4685..4855		
Seq. No.	56662	Seq. ID	OJ000403_08.0426.C4
Gene No.	118535	Strand	-
Start	6831	End	7686
Name	OJ000403_08.0426.C4.o2.tm	Method	TBLASTX:Maize
Start	5216	End	5497
GI	none	Score	281
Exons	5216..5497, 5218..5496		
Seq. No.	56662	Seq. ID	OJ000403_08.0426.C4
Gene No.	118535	Strand	-
Start	6831	End	7686
Name	OJ000403_08.0426.C4.o1.tm	Method	TBLASTX:Maize
Start	5498	End	5919
GI	none	Score	132
Exons	5498..5593, 5503..5595, 5654..5875, 5662..5877, 5872..5919		
Seq. No.	56662	Seq. ID	OJ000403_08.0426.C4
Gene No.	118535	Strand	-
Start	6831	End	7686
Name	OJ000403_08.0426.C4.o2.gs	Method	GENSCAN
Start	6831	End	7686
GI	none	Score	.7
Exons	6831..6980, 7131..7263, 7631..7686		
Seq. No.	56663	Seq. ID	OJ000403_08.0426.C5
Gene No.	118536	Strand	+
Start	52	End	366
Name	OJ000403_08.0426.C5.o1.gs	Method	GENSCAN
Start	52	End	366
GI	none	Score	.61
Exons	52..156, 259..366		
Seq. No.	56664	Seq. ID	OJ000403_08.0426.C6
Gene No.	118537	Strand	+
Start	511	End	3503
Name	OJ000403_08.0426.C6.o1.gs	Method	GENSCAN
Start	511	End	3462
GI	none	Score	.57
Exons	511..525, 2561..3462		
Seq. No.	56664	Seq. ID	OJ000403_08.0426.C6
Gene No.	118537	Strand	+
Start	511	End	3503
Name	OJ000403_08.0426.C6.o1.np	Method	AAT/NAP
Start	2573	End	3503
GI	4558665	Score	525
Exons	2573..3503		

GI Descrip. (AC007063) putative ABC transporter [Arabidopsis thaliana]

Seq. No.	56664	Seq. ID	OJ000403_08.0426.C6
Gene No.	118537	Strand	+
Start	511	End	3503
Name	OJ000403_08.0426.C6.o2.tm	Method	TBLASTX:Maize
Start	2782	End	3022
GI	none	Score	123
Exons	2782..2883, 2783..2887, 2912..3022, 2917..3015		

Seq. No.	56664	Seq. ID	OJ000403_08.0426.C6
Gene No.	118537	Strand	+
Start	511	End	3503
Name	OJ000403_08.0426.C6.o1.tm	Method	TBLASTX:Maize
Start	3160	End	3397
GI	none	Score	239
Exons	3160..3390, 3179..3397		

Seq. No.	56664	Seq. ID	OJ000403_08.0426.C6
Gene No.	118537	Strand	+
Start	511	End	3503
Name	OJ000403_08.0426.C6.o1.tc	Method	TBLASTX:Cress
Start	3182	End	3493
GI	none	Score	283
Exons	3182..3493, 3217..3321, 3382..3474		

Seq. No.	56665	Seq. ID	OJ000403_08.0426.C7
Gene No.	118538	Strand	+
Start	1	End	1119
Name	OJ000403_08.0426.C7.o1.np	Method	AAT/NAP
Start	1	End	286
GI	4558665	Score	158
Exons	1..286		
GI Descrip.	(AC007063) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	56665	Seq. ID	OJ000403_08.0426.C7
Gene No.	118538	Strand	+
Start	1	End	1119
Name	OJ000403_08.0426.C7.o1.gs	Method	GENSCAN
Start	14	End	1119
GI	none	Score	.72
Exons	14..270, 1065..1119		

Seq. No.	56665	Seq. ID	OJ000403_08.0426.C7
Gene No.	118539	Strand	+
Start	4085	End	7975
Name	OJ000403_08.0426.C7.o2.gs	Method	GENSCAN
Start	4085	End	7975
GI	none	Score	.64
Exons	4085..4187, 6820..7118, 7658..7975		

Seq. No.	56665	Seq. ID	OJ000403_08.0426.C7
Gene No.	118540	Strand	+
Start	8105	End	8596
Name	OJ000403_08.0426.C7.o2.gp	Method	AAT/GAP
Start	8105	End	8574
GI	none	Score	913

Exons	8105..8574		
Seq. No.	56665	Seq. ID	OJ000403_08.0426.C7
Gene No.	118540	Strand	+
Start	8105	End	8596
Name	OJ000403_08.0426.C7.o2.np	Method	AAT/NAP
Start	8159	End	8496
GI	6978038	Score	114
Exons	8159..8496		
GI Descrip.	(AF190130) taxadienol acetyl transferase [Taxus cuspidata]		
Seq. No.	56665	Seq. ID	OJ000403_08.0426.C7
Gene No.	118540	Strand	+
Start	8105	End	8596
Name	OJ000403_08.0426.C7.o3.gs	Method	GENSCAN
Start	8165	End	8596
GI	none	Score	.69
Exons	8165..8596		
Seq. No.	56665	Seq. ID	OJ000403_08.0426.C7
Gene No.	118540	Strand	+
Start	8105	End	8596
Name	OJ000403_08.0426.C7.o1.tm	Method	TBLASTX:Maize
Start	8167	End	8496
GI	none	Score	333
Exons	8167..8496, 8168..8491		
Seq. No.	56666	Seq. ID	OJ000403_08.0426.C8
Gene No.	118541	Strand	+
Start	1	End	1497
Name	OJ000403_08.0426.C8.o1.np	Method	AAT/NAP
Start	1	End	1497
GI	6899926	Score	307
Exons	1..604, 1457..1497		
GI Descrip.	(AL138651) putative protein [Arabidopsis thaliana]		
Seq. No.	56666	Seq. ID	OJ000403_08.0426.C8
Gene No.	118541	Strand	+
Start	1	End	1497
Name	OJ000403_08.0426.C8.o1.gs	Method	GENSCAN
Start	109	End	630
GI	none	Score	.55
Exons	109..630		
Seq. No.	56666	Seq. ID	OJ000403_08.0426.C8
Gene No.	118541	Strand	+
Start	1	End	1497
Name	OJ000403_08.0426.C8.o1.gp	Method	AAT/GAP
Start	506	End	820
GI	none	Score	584
Exons	506..820		
Seq. No.	56666	Seq. ID	OJ000403_08.0426.C8
Gene No.	118542	Strand	-
Start	1562	End	1679
Name	OJ000403_08.0426.C8.o1.tm	Method	TBLASTX:Maize
Start	1	End	632

GI	none	Score	993
Exons	1..630, 1..591, 3..632, 261..632		

Seq. No.	56666	Seq. ID	OJ000403_08.0426.C8
Gene No.	118542	Strand	-
Start	1562	End	1679
Name	OJ000403_08.0426.C8.o1.tw	Method	TBLASTX:Wheat
Start	213	End	504
GI	none	Score	391
Exons	213..503, 214..504		

Seq. No.	56666	Seq. ID	OJ000403_08.0426.C8
Gene No.	118542	Strand	-
Start	1562	End	1679
Name	OJ000403_08.0426.C8.o2.tw	Method	TBLASTX:Wheat
Start	505	End	642
GI	none	Score	181
Exons	505..642, 505..603, 507..626		

Seq. No.	56666	Seq. ID	OJ000403_08.0426.C8
Gene No.	118542	Strand	-
Start	1562	End	1679
Name	OJ000403_08.0426.C8.o2.gs	Method	GENSCAN
Start	1562	End	1679
GI	none	Score	.82
Exons	1562..1639, 1644..1679		

Seq. No.	56667	Seq. ID	OJ000403_08.0426.C9
Gene No.	118543	Strand	-
Start	1	End	134
Name	OJ000403_08.0426.C9.o1.gp	Method	AAT/GAP
Start	1	End	134
GI	52637_1.R1084	Score	224
Exons	1..134		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	56667	Seq. ID	OJ000403_08.0426.C9
Gene No.	118544	Strand	-
Start	826	End	902
Name	OJ000403_08.0426.C9.o1.gs	Method	GENSCAN
Start	826	End	902
GI	none	Score	.67
Exons	826..902		

Seq. No.	56668	Seq. ID	OJ000403_08.0426.C10
Gene No.	118545	Strand	+
Start	68	End	1624
Name	OJ000403_08.0426.C10.o1.gs	Method	GENSCAN
Start	68	End	1624
GI	none	Score	.7
Exons	68..145, 1209..1416, 1490..1624		

Seq. No.	56668	Seq. ID	OJ000403_08.0426.C10
Gene No.	118546	Strand	-
Start	1	End	201
Name	OJ000403_08.0426.C10.o1.np	Method	AAT/NAP

Start	1	End	201
GI	7438245	Score	220
Exons	1..201		
GI Descrip.	subtilisin-chymotrypsin inhibitor 2 - barley gi|1617121|emb|CAA69915.1| (Y08625) subtilisin-chymotrypsin inhibitor 2 [Hordeum vulgare]		

Seq. No.	56668	Seq. ID	OJ000403_08.0426.C10
Gene No.	118546	Strand	-
Start	1	End	201
Name	OJ000403_08.0426.C10.o1.tw	Method	TBLASTX:Wheat
Start	1	End	178
GI	none	Score	121
Exons	1..177, 1..177, 2..178		

Seq. No.	56669	Seq. ID	OJ000403_08.0426.C12
Gene No.	118547	Strand	+
Start	1	End	1217
Name	OJ000403_08.0426.C12.o1.np	Method	AAT/NAP
Start	1	End	1217
GI	7506121	Score	110
Exons	1..130, 826..972, 1062..1217		
GI Descrip.	hypothetical protein M7.5 - Caenorhabditis elegans gi|3878681|emb|CAA92753.1| (Z68337) Similarity to Yeast hypothetical protein YHX1 (SW:YHX1_YEAST); cDNA EST EMBL:D36237 comes from this gene; cDNA EST yk265e8.5 comes from this gene; cDNA EST yk281g8.5 comes from this gene; cDNA EST yk326g6.5 comes from this gene; cDNA EST yk385> gi|3881168|emb|CAA21650.1| (AL032641) Simila		

Seq. No.	56669	Seq. ID	OJ000403_08.0426.C12
Gene No.	118547	Strand	+
Start	1	End	1217
Name	OJ000403_08.0426.C12.o1.gs	Method	GENSCAN
Start	53	End	330
GI	none	Score	.85
Exons	53..199, 223..330		

Seq. No.	56670	Seq. ID	OJ000403_08.0426.C13
Gene No.	118548	Strand	+
Start	1	End	149
Name	OJ000403_08.0426.C13.o1.np	Method	AAT/NAP
Start	1	End	149
GI	2351107	Score	88
Exons	1..149		
GI Descrip.	(D14057) bromelain [Ananas comosus]		

Seq. No.	56670	Seq. ID	OJ000403_08.0426.C13
Gene No.	118549	Strand	+
Start	1817	End	1999
Name	OJ000403_08.0426.C13.o1.gp	Method	AAT/GAP
Start	1817	End	1999
GI	uC-osrocyp025e03a1	Score	366
Exons	1817..1999		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	56671	Seq. ID	OJ000403_08.0426.C14
Gene No.	118550	Strand	-
Start	1	End	260
Name	OJ000403_08.0426.C14.o1.gp	Method	AAT/GAP
Start	1	End	260
GI	4969123	Score	508
Exons	1..260		

Seq. No.	56671	Seq. ID	OJ000403_08.0426.C14
Gene No.	118551	Strand	-
Start	5332	End	7110
Name	OJ000403_08.0426.C14.o2.gs	Method	GENSCAN
Start	5332	End	7110
GI	none	Score	.93
Exons	5332..7110		

Seq. No.	56671	Seq. ID	OJ000403_08.0426.C14
Gene No.	118551	Strand	-
Start	5332	End	7110
Name	OJ000403_08.0426.C14.o1.np	Method	AAT/NAP
Start	5335	End	7089
GI	7452451	Score	1169
Exons	5335..5522, 5606..6126, 6211..6873, 6904..7089		
GI Descrip.	hypothetical protein F28J12.200 - Arabidopsis thaliana gi|2832659|emb|CAA16734.1| (AL021710) hypothetical protein [Arabidopsis thaliana] gi|7268647|emb|CAB78856.1| (AL161548) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56672	Seq. ID	OJ000403_08.0426.C17
Gene No.	118552	Strand	+
Start	1	End	412
Name	OJ000403_08.0426.C17.o1.np	Method	AAT/NAP
Start	1	End	400
GI	7492863	Score	104
Exons	1..140, 245..400		
GI Descrip.	probable protein involved in autophagy yeast apg7 homolog - fission yeast (Schizosaccharomyces pombe) gi|4034327|emb|CAA17048.1| (AL021838) putative protein involved in autophagy yeast apg7 homolog [Schizosaccharomyces pombe]		

Seq. No.	56672	Seq. ID	OJ000403_08.0426.C17
Gene No.	118552	Strand	+
Start	1	End	412
Name	OJ000403_08.0426.C17.o1.gs	Method	GENSCAN
Start	60	End	412
GI	none	Score	.99
Exons	60..140, 245..412		

Seq. No.	56672	Seq. ID	OJ000403_08.0426.C17
Gene No.	118553	Strand	+
Start	7626	End	8243
Name	OJ000403_08.0426.C17.o3.np	Method	AAT/NAP
Start	7626	End	8243
GI	7496721	Score	88
Exons	7626..7726, 8090..8243		
GI Descrip.	hypothetical protein C30E1.1 - Caenorhabditis elegans gi|2435542|gb|AAB71254.1| (AF026204) C30E1.1 gene product		

[Caenorhabditis elegans]

Seq. No.	56672	Seq. ID	OJ000403_08.0426.C17
Gene No.	118554	Strand	-
Start	691	End	1206
Name	OJ000403_08.0426.C17.o2.gs	Method	GENSCAN
Start	691	End	1206
GI	none	Score	1
Exons	691..1206		

Seq. No.	56672	Seq. ID	OJ000403_08.0426.C17
Gene No.	118555	Strand	-
Start	1547	End	5396
Name	OJ000403_08.0426.C17.o1.tm	Method	TBLASTX:Maize
Start	1	End	370
GI	none	Score	133
Exons	1..141, 1..138, 2..142, 3..143, 244..369, 244..351, 245..370, 245..370		

Seq. No.	56672	Seq. ID	OJ000403_08.0426.C17
Gene No.	118555	Strand	-
Start	1547	End	5396
Name	OJ000403_08.0426.C17.o2.np	Method	AAT/NAP
Start	1547	End	5208
GI	6735377	Score	638
Exons	1547..1725, 1792..1884, 3247..3383, 3827..3917, 4101..4132, 4277..4349, 4428..4528, 4845..4876, 5071..5208		
GI Descrip.	(AL137082) putative protein [Arabidopsis thaliana]		

Seq. No.	56672	Seq. ID	OJ000403_08.0426.C17
Gene No.	118555	Strand	-
Start	1547	End	5396
Name	OJ000403_08.0426.C17.o1.gp	Method	AAT/GAP
Start	1633	End	1857
GI	427501	Score	388
Exons	1633..1857		

Seq. No.	56672	Seq. ID	OJ000403_08.0426.C17
Gene No.	118555	Strand	-
Start	1547	End	5396
Name	OJ000403_08.0426.C17.o2.tm	Method	TBLASTX:Maize
Start	3347	End	5109
GI	none	Score	102
Exons	3347..3388, 4103..4135, 4263..4349, 4276..4362, 4279..4350, 4407..4529, 4426..4548, 4427..4531, 4429..4554, 5068..5109		

Seq. No.	56672	Seq. ID	OJ000403_08.0426.C17
Gene No.	118555	Strand	-
Start	1547	End	5396
Name	OJ000403_08.0426.C17.o1.tc	Method	TBLASTX:Cress
Start	3871	End	4548
GI	none	Score	79
Exons	3871..3918, 4276..4362, 4426..4548, 4429..4524		

Seq. No.	56672	Seq. ID	OJ000403_08.0426.C17
Gene No.	118555	Strand	-
Start	1547	End	5396

Name	OJ000403_08.0426.C17.o2.gp	Method	AAT/GAP
Start	4475	End	5396
GI	2310281	Score	752
Exons	4475..4528, 4845..4876, 5071..5396		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118556	Strand	+
Start	1	End	806
Name	OJ000403_08.0426.C18.o1.np	Method	AAT/NAP
Start	1	End	806
GI	6815067	Score	259
Exons	1..302, 390..806		
GI Descrip.	(AP001080) ESTs AU082210(C53655),AU056546(S20671), AU056545(S20671) correspond to a region of the predicted gene.; Similar to putative RNA-binding protein (AC004261) [Oryza sativa]		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118557	Strand	+
Start	3269	End	3667
Name	OJ000403_08.0426.C18.o1.gp	Method	AAT/GAP
Start	3269	End	3667
GI	uC-osflcyp016e06b1	Score	683
Exons	3269..3667		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 3.0e-73 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118558	Strand	+
Start	8728	End	10354
Name	OJ000403_08.0426.C18.o3.np	Method	AAT/NAP
Start	8595	End	10354
GI	6642665	Score	163
Exons	8595..8619, 9805..9959, 10191..10354		
GI Descrip.	(AC015450) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118558	Strand	+
Start	8728	End	10354
Name	OJ000403_08.0426.C18.o3.gs	Method	GENSCAN
Start	8728	End	10001
GI	none	Score	.89
Exons	8728..8840, 9437..10001		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118558	Strand	+
Start	8728	End	10354
Name	OJ000403_08.0426.C18.o2.gp	Method	AAT/GAP
Start	9766	End	10246
GI	LIB3433-043-P1-K1-F7	Score	376
Exons	9766..9969, 10189..10246		
GI Descrip.	'2459448 1.0e-30 (AC002332) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]'		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118559	Strand	+

Start	11333	End	15307
Name	OJ000403_08.0426.C18.o4.np	Method	AAT/NAP
Start	11237	End	15307
GI	2342730	Score	903
Exons	11237..11402, 12364..12480, 12569..12701, 12830..12941, 13401..13596, 13907..13978, 14415..14498, 15079..15307		
GI Descrip.	(AC002341) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118559	Strand	+
Start	11333	End	15307
Name	OJ000403_08.0426.C18.o5.gs	Method	GENSCAN
Start	11333	End	15118
GI	none	Score	.51
Exons	11333..11402, 12364..12480, 12814..12926, 13169..13212, 13440..13596, 13907..13978, 15079..15118		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118560	Strand	-
Start	3983	End	7425
Name	OJ000403_08.0426.C18.o2.gs	Method	GENSCAN
Start	3983	End	7425
GI	none	Score	.97
Exons	3983..4319, 4400..4555, 4638..4819, 6682..7425		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118560	Strand	-
Start	3983	End	7425
Name	OJ000403_08.0426.C18.o2.np	Method	AAT/NAP
Start	3998	End	7065
GI	7340710	Score	466
Exons	3998..4239, 4311..4503, 4584..4819, 5749..5812, 6731..7065		
GI Descrip.	(AL162507) putative protein [Arabidopsis thaliana]		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118561	Strand	-
Start	10193	End	14221
Name	OJ000403_08.0426.C18.o1.ts	Method	TBLASTX:Soybean
Start	47	End	290
GI	none	Score	133
Exons	47..289, 47..286, 48..287, 48..290		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118561	Strand	-
Start	10193	End	14221
Name	OJ000403_08.0426.C18.o2.tc	Method	TBLASTX:Cress
Start	48	End	292
GI	none	Score	116
Exons	48..287, 60..287, 71..292		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118561	Strand	-
Start	10193	End	14221
Name	OJ000403_08.0426.C18.o6.tm	Method	TBLASTX:Maize
Start	59	End	226
GI	none	Score	193
Exons	59..202, 60..224, 100..222, 101..226		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118561	Strand	-
Start	10193	End	14221
Name	OJ000403_08.0426.C18.o1.tw	Method	TBLASTX:Wheat
Start	164	End	610
GI	none	Score	192
Exons	164..292, 165..293, 169..384, 446..532, 484..540, 495..548,	299..451, 301..450, 340..453, 545..580, 551..610	

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118561	Strand	-
Start	10193	End	14221
Name	OJ000403_08.0426.C18.o3.tm	Method	TBLASTX:Maize
Start	227	End	2293
GI	none	Score	96
Exons	227..337, 227..283, 229..306, 418..534, 420..545, 536..598, 595..705, 656..709, 710..730, 766..810, 771..800, 842..877, 2176..2211, 2190..2234, 2228..2293,	398..418, 410..502, 413..544, 541..597, 594..704, 595..705, 715..765, 716..766, 742..798, 846..878, 849..878, 2169..2210, 2231..2281, 2233..2283	

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118561	Strand	-
Start	10193	End	14221
Name	OJ000403_08.0426.C18.o2.tm	Method	TBLASTX:Maize
Start	3976	End	4252
GI	none	Score	276
Exons	3976..4140, 4004..4252, 4005..4247		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118561	Strand	-
Start	10193	End	14221
Name	OJ000403_08.0426.C18.o1.tc	Method	TBLASTX:Cress
Start	4010	End	4243
GI	none	Score	84
Exons	4010..4114, 4032..4091, 4139..4243, 4140..4214		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118561	Strand	-
Start	10193	End	14221
Name	OJ000403_08.0426.C18.o3.ts	Method	TBLASTX:Soybean
Start	4022	End	4503
GI	none	Score	94
Exons	4022..4129, 4023..4106, 4133..4252, 4134..4214, 4405..4503		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118561	Strand	-
Start	10193	End	14221
Name	OJ000403_08.0426.C18.o4.tm	Method	TBLASTX:Maize
Start	4405	End	7059
GI	none	Score	73
Exons	4405..4506, 4640..4699, 4775..4828, 6721..6846, 6722..6826, 6904..7005, 7006..7059		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118561	Strand	-

Start	10193	End	14221
Name	OJ000403_08.0426.C18.o3.tc	Method	TBLASTX:Cress
Start	4429	End	14221
GI	none	Score	70
Exons	4429..4521, 4649..4765, 6739..6840, 6764..6817, 6904..7008, 7021..7059, 14063..14221		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118561	Strand	-
Start	10193	End	14221
Name	OJ000403_08.0426.C18.o2.ts	Method	TBLASTX:Soybean
Start	6736	End	7059
GI	none	Score	50
Exons	6736..6840, 6901..7008, 7027..7059		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118561	Strand	-
Start	10193	End	14221
Name	OJ000403_08.0426.C18.o5.tm	Method	TBLASTX:Maize
Start	9802	End	10259
GI	none	Score	151
Exons	9802..9927, 9804..9962, 9804..9932, 10191..10259		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118561	Strand	-
Start	10193	End	14221
Name	OJ000403_08.0426.C18.o4.gs	Method	GENSCAN
Start	10193	End	10453
GI	none	Score	.98
Exons	10193..10453		

Seq. No.	56673	Seq. ID	OJ000403_08.0426.C18
Gene No.	118561	Strand	-
Start	10193	End	14221
Name	OJ000403_08.0426.C18.o1.tm	Method	TBLASTX:Maize
Start	12357	End	13475
GI	none	Score	200
Exons	12357..12482, 12362..12481, 12375..12488, 12376..12486, 12562..12714, 12564..12704, 12821..12925, 12822..12926, 12828..12926, 12829..12927, 13151..13210, 13167..13211, 13167..13211, 13168..13212, 13437..13475		

Seq. No.	56674	Seq. ID	OJ000403_08.0426.C19
Gene No.	118562	Strand	+
Start	1	End	2353
Name	OJ000403_08.0426.C19.o1.np	Method	AAT/NAP
Start	1	End	1484
GI	2342730	Score	195
Exons	1..21, 79..204, 390..531, 1336..1484		
GI Descrip.	(AC002341) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56674	Seq. ID	OJ000403_08.0426.C19
Gene No.	118562	Strand	+
Start	1	End	2353
Name	OJ000403_08.0426.C19.o1.gs	Method	GENSCAN
Start	79	End	2353
GI	none	Score	.71

Exons	79..204, 427..519, 2012..2090, 2099..2263, 2322..2353		
Seq. No.	56674	Seq. ID	OJ000403_08.0426.C19
Gene No.	118563	Strand	+
Start	2629	End	4363
Name	OJ000403_08.0426.C19.o2.gs	Method	GENSCAN
Start	2629	End	4363
GI	none	Score	1
Exons	2629..3103, 3759..4363		
Seq. No.	56674	Seq. ID	OJ000403_08.0426.C19
Gene No.	118563	Strand	+
Start	2629	End	4363
Name	OJ000403_08.0426.C19.o2.np	Method	AAT/NAP
Start	2629	End	4360
GI	2342728	Score	416
Exons	2629..3101, 3763..3976, 4004..4360		
GI Descrip.	(AC002341) putative cysteine proteinase [Arabidopsis thaliana]		
Seq. No.	56674	Seq. ID	OJ000403_08.0426.C19
Gene No.	118563	Strand	+
Start	2629	End	4363
Name	OJ000403_08.0426.C19.o1.tw	Method	TBLASTX:Wheat
Start	2722	End	4308
GI	none	Score	180
Exons	2722..2925, 2754..2921, 3039..3089, 3040..3090, 3751..3888, 3752..3916, 4175..4228, 4232..4303, 4240..4308		
Seq. No.	56674	Seq. ID	OJ000403_08.0426.C19
Gene No.	118563	Strand	+
Start	2629	End	4363
Name	OJ000403_08.0426.C19.o2.ts	Method	TBLASTX:Soybean
Start	2725	End	3102
GI	none	Score	164
Exons	2725..2919, 3028..3102		
Seq. No.	56674	Seq. ID	OJ000403_08.0426.C19
Gene No.	118563	Strand	+
Start	2629	End	4363
Name	OJ000403_08.0426.C19.o1.tc	Method	TBLASTX:Cress
Start	2728	End	3859
GI	none	Score	162
Exons	2728..2925, 2751..2921, 3027..3077, 3040..3102, 3763..3858, 3764..3859		
Seq. No.	56674	Seq. ID	OJ000403_08.0426.C19
Gene No.	118563	Strand	+
Start	2629	End	4363
Name	OJ000403_08.0426.C19.o1.tm	Method	TBLASTX:Maize
Start	2767	End	4330
GI	none	Score	98
Exons	2767..2919, 3040..3093, 3713..3886, 3760..3888, 3761..3916, 3897..3941, 3947..3991, 4037..4159, 4183..4329, 4184..4330		
Seq. No.	56674	Seq. ID	OJ000403_08.0426.C19
Gene No.	118563	Strand	+
Start	2629	End	4363

Name	OJ000403_08.0426.C19.o1.ts	Method	TBLASTX:Soybean
Start	3760	End	4309
GI	none	Score	109
Exons	3760..3858, 3761..3976, 4037..4159, 4184..4231, 4232..4309		

Seq. No.	56675	Seq. ID	OJ000403_08.0426.C20
Gene No.	118564	Strand	+
Start	156	End	228
Name	OJ000403_08.0426.C20.o1.gs	Method	GENSCAN
Start	156	End	228
GI	none	Score	.88
Exons	156..228		

Seq. No.	56676	Seq. ID	OJ000323_01.0419.C2
Gene No.	118565	Strand	+
Start	86	End	250
Name	OJ000323_01.0419.C2.o1.gs	Method	GENSCAN
Start	86	End	250
GI	none	Score	.86
Exons	86..250		

Seq. No.	56677	Seq. ID	OJ000323_01.0419.C3
Gene No.	118566	Strand	+
Start	501	End	559
Name	OJ000323_01.0419.C3.o1.gp	Method	AAT/GAP
Start	501	End	559
GI	2315_6.R1084	Score	69
Exons	501..559		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 4.0e-38 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	56677	Seq. ID	OJ000323_01.0419.C3
Gene No.	118567	Strand	+
Start	2153	End	3370
Name	OJ000323_01.0419.C3.o1.gs	Method	GENSCAN
Start	2153	End	3370
GI	none	Score	.66
Exons	2153..2205, 2272..2364, 2388..2539, 2596..2711, 2753..3026, 3320..3370		

Seq. No.	56677	Seq. ID	OJ000323_01.0419.C3
Gene No.	118568	Strand	-
Start	2706	End	3030
Name	OJ000323_01.0419.C3.o2.gp	Method	AAT/GAP
Start	2706	End	3030
GI	69014_1.R1084	Score	585
Exons	2706..3030		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	56678	Seq. ID	OJ000323_01.0419.C4
Gene No.	118569	Strand	-
Start	448	End	574
Name	OJ000323_01.0419.C4.o1.gs	Method	GENSCAN
Start	448	End	574
GI	none	Score	.84

Exons	448..574		
Seq. No.	56679	Seq. ID	OJ000323_01.0419.C5
Gene No.	118570	Strand	+
Start	1	End	1354
Name	OJ000323_01.0419.C5.o1.np	Method	AAT/NAP
Start	1	End	1354
GI	6522541	Score	709
Exons	1..1067, 1178..1354		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		
Seq. No.	56679	Seq. ID	OJ000323_01.0419.C5
Gene No.	118570	Strand	+
Start	1	End	1354
Name	OJ000323_01.0419.C5.o1.gs	Method	GENSCAN
Start	2	End	1255
GI	none	Score	.84
Exons	2..1067, 1178..1255		
Seq. No.	56679	Seq. ID	OJ000323_01.0419.C5
Gene No.	118570	Strand	+
Start	1	End	1354
Name	OJ000323_01.0419.C5.o2.tm	Method	TBLASTX:Maize
Start	20	End	376
GI	none	Score	78
Exons	20..133, 21..38, 85..132, 182..376, 182..307, 193..375		
Seq. No.	56679	Seq. ID	OJ000323_01.0419.C5
Gene No.	118570	Strand	+
Start	1	End	1354
Name	OJ000323_01.0419.C5.o1.tc	Method	TBLASTX:Cress
Start	464	End	1272
GI	none	Score	146
Exons	464..697, 734..781, 741..776, 812..979, 877..966, 1010..1066, 1177..1272		
Seq. No.	56679	Seq. ID	OJ000323_01.0419.C5
Gene No.	118570	Strand	+
Start	1	End	1354
Name	OJ000323_01.0419.C5.o1.ts	Method	TBLASTX:Soybean
Start	473	End	1350
GI	none	Score	89
Exons	473..565, 514..564, 580..768, 581..991, 812..967, 826..975, 1176..1310, 1177..1350		
Seq. No.	56679	Seq. ID	OJ000323_01.0419.C5
Gene No.	118570	Strand	+
Start	1	End	1354
Name	OJ000323_01.0419.C5.o1.tm	Method	TBLASTX:Maize
Start	642	End	1002
GI	none	Score	125
Exons	642..818, 643..1002, 644..1000		
Seq. No.	56679	Seq. ID	OJ000323_01.0419.C5
Gene No.	118570	Strand	+
Start	1	End	1354
Name	OJ000323_01.0419.C5.o3.tm	Method	TBLASTX:Maize

Start	1022	End	1353
GI	none	Score	64
Exons	1022..1066, 1024..1065, 1158..1334, 1176..1352, 1177..1353		

Seq. No.	56680	Seq. ID	OJ000323_01.0419.C7
Gene No.	118571	Strand	-
Start	1	End	779
Name	OJ000323_01.0419.C7.o1.np	Method	AAT/NAP
Start	1	End	779
GI	2130082	Score	442
Exons	1..779		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]		

Seq. No.	56680	Seq. ID	OJ000323_01.0419.C7
Gene No.	118571	Strand	-
Start	1	End	779
Name	OJ000323_01.0419.C7.o1.tc	Method	TBLASTX:Cress
Start	1	End	778
GI	none	Score	90
Exons	1..477, 4..477, 7..498, 7..477, 7..471, 7..492, 7..273, 7..345, 7..336, 8..247, 10..477, 61..360, 67..492, 80..235, 82..357, 82..492, 130..486, 263..487, 265..486, 296..466, 422..466, 496..585, 656..778		

Seq. No.	56680	Seq. ID	OJ000323_01.0419.C7
Gene No.	118571	Strand	-
Start	1	End	779
Name	OJ000323_01.0419.C7.o1.ts	Method	TBLASTX:Soybean
Start	2	End	778
GI	none	Score	76
Exons	2..247, 4..423, 5..235, 7..498, 7..492, 7..477, 8..100, 10..477, 82..486, 152..241, 163..405, 275..316, 296..481, 345..392, 371..493, 508..579, 641..778		

Seq. No.	56680	Seq. ID	OJ000323_01.0419.C7
Gene No.	118571	Strand	-
Start	1	End	779
Name	OJ000323_01.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	4	End	498
GI	none	Score	72
Exons	4..477, 7..477, 7..336, 7..273, 8..247, 10..498, 28..492, 209..391, 265..327		

Seq. No.	56680	Seq. ID	OJ000323_01.0419.C7
Gene No.	118571	Strand	-
Start	1	End	779
Name	OJ000323_01.0419.C7.o1.tw	Method	TBLASTX:Wheat
Start	7	End	597
GI	none	Score	61
Exons	7..192, 52..276, 124..342, 190..405, 203..307, 244..597		

Seq. No.	56680	Seq. ID	OJ000323_01.0419.C7
Gene No.	118571	Strand	-

Start	1	End	779
Name	OJ000323_01.0419.C7.o1.gs	Method	GENSCAN
Start	162	End	315
GI	none	Score	.54
Exons	162..315		

Seq. No.	56681	Seq. ID	OJ000323_01.0419.C8
Gene No.	118572	Strand	+
Start	711	End	3401
Name	OJ000323_01.0419.C8.o1.np	Method	AAT/NAP
Start	711	End	3401
GI	7489446	Score	738
Exons	711..2074, 3344..3401		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) D, receptor type - long-staminate rice gi|2586081|gb|AAB82753.1| (U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	56681	Seq. ID	OJ000323_01.0419.C8
Gene No.	118573	Strand	-
Start	2138	End	2888
Name	OJ000323_01.0419.C8.o2.tw	Method	TBLASTX:Wheat
Start	782	End	1396
GI	none	Score	168
Exons	782..958, 783..959, 951..1043, 1274..1396		

Seq. No.	56681	Seq. ID	OJ000323_01.0419.C8
Gene No.	118573	Strand	-
Start	2138	End	2888
Name	OJ000323_01.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	851	End	2072
GI	none	Score	298
Exons	851..1135, 852..1268, 1160..1267, 1253..1450, 1464..1622, 1485..1628, 1573..1626, 1710..1808, 1806..2012, 1860..2072		

Seq. No.	56681	Seq. ID	OJ000323_01.0419.C8
Gene No.	118573	Strand	-
Start	2138	End	2888
Name	OJ000323_01.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	918	End	2072
GI	none	Score	89
Exons	918..1040, 921..1040, 927..1043, 930..1043, 930..1043, 930..1040, 938..1042, 947..1042, 951..1040, 1038..1181, 1044..1181, 1059..1181, 1071..1325, 1091..1255, 1142..1405, 1236..1325, 1239..1325, 1386..1454, 1386..1631, 1485..1616, 1488..1625, 1506..1625, 1713..1796, 1713..1778, 1713..1778, 1713..1799, 1716..2069, 1730..1807, 1731..2069, 1794..2024, 1803..1979, 1806..2069, 1806..2069, 1806..2069, 1806..2072, 1806..2069		

Seq. No.	56681	Seq. ID	OJ000323_01.0419.C8
Gene No.	118573	Strand	-
Start	2138	End	2888
Name	OJ000323_01.0419.C8.o1.tc	Method	TBLASTX:Cress
Start	921	End	2072
GI	none	Score	151
Exons	921..1181, 921..1040, 927..1040, 930..1028, 930..1040, 930..1040, 930..1124, 1086..1181, 1107..1397, 1110..1181,		

1122..1304, 1150..1311, 1160..1336, 1223..1396, 1235..1396,
1236..1325, 1245..1325, 1386..1553, 1389..1478, 1470..1622,
1470..1604, 1485..1628, 1488..1628, 1491..1631, 1494..1631,
1494..1616, 1539..1631, 1557..1631, 1563..1619, 1710..1817,
1713..1802, 1713..1799, 1719..1787, 1722..1982, 1728..1799,
1797..2069, 1800..1913, 1806..2069, 1806..2069, 1830..2069,
1869..2069, 1905..2072, 1941..2072

Seq. No.	56681	Seq. ID	OJ000323_01.0419.C8
Gene No.	118573	Strand	-
Start	2138	End	2888
Name	OJ000323_01.0419.C8.o1.tw	Method	TBLASTX:Wheat
Start	1044	End	2048
GI	none	Score	62
Exons	1044..1181, 1410..1631, 1686..1811, 1695..2048, 1700..2032, 1806..1979		

Seq. No.	56681	Seq. ID	OJ000323_01.0419.C8
Gene No.	118573	Strand	-
Start	2138	End	2888
Name	OJ000323_01.0419.C8.o2.gs	Method	GENSCAN
Start	2138	End	2888
GI	none	Score	.91
Exons	2138..2272, 2847..2888		

Seq. No.	56682	Seq. ID	OJ000323_01.0419.C11
Gene No.	118574	Strand	-
Start	2749	End	3901
Name	OJ000323_01.0419.C11.o1.gp	Method	AAT/GAP
Start	2527	End	3246
GI	none	Score	1349
Exons	2527..3246		

Seq. No.	56682	Seq. ID	OJ000323_01.0419.C11
Gene No.	118574	Strand	-
Start	2749	End	3901
Name	OJ000323_01.0419.C11.o2.gs	Method	GENSCAN
Start	2749	End	3901
GI	none	Score	.84
Exons	2749..3242, 3331..3901		

Seq. No.	56682	Seq. ID	OJ000323_01.0419.C11
Gene No.	118574	Strand	-
Start	2749	End	3901
Name	OJ000323_01.0419.C11.o1.ts	Method	TBLASTX:Soybean
Start	2971	End	3217
GI	none	Score	178
Exons	2971..3216, 2975..3217		

Seq. No.	56683	Seq. ID	OJ000323_01.0419.C12
Gene No.	118575	Strand	+
Start	865	End	988
Name	OJ000323_01.0419.C12.o1.gs	Method	GENSCAN
Start	865	End	988
GI	none	Score	.61
Exons	865..988		

Seq. No.	56684	Seq. ID	OJ000323_01.0419.C14
Gene No.	118576	Strand	-
Start	138	End	672
Name	OJ000323_01.0419.C14.o1.gs	Method	GENSCAN
Start	138	End	672
GI	none	Score	.84
Exons	138..322, 505..672		

Seq. No.	56685	Seq. ID	OJ000323_01.0419.C16
Gene No.	118577	Strand	+
Start	1112	End	2538
Name	OJ000323_01.0419.C16.o1.np	Method	AAT/NAP
Start	1112	End	2538
GI	6523547	Score	364
Exons	1112..1552, 1720..2538		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	56685	Seq. ID	OJ000323_01.0419.C16
Gene No.	118578	Strand	-
Start	54	End	864
Name	OJ000323_01.0419.C16.o1.gs	Method	GENSCAN
Start	54	End	864
GI	none	Score	.51
Exons	54..452, 667..864		

Seq. No.	56685	Seq. ID	OJ000323_01.0419.C16
Gene No.	118579	Strand	-
Start	1797	End	2570
Name	OJ000323_01.0419.C16.o2.gs	Method	GENSCAN
Start	1797	End	2570
GI	none	Score	.79
Exons	1797..2570		

Seq. No.	56686	Seq. ID	OJ000323_01.0419.C17
Gene No.	118580	Strand	+
Start	4731	End	5638
Name	OJ000323_01.0419.C17.o2.np	Method	AAT/NAP
Start	4485	End	5638
GI	5852180	Score	175
Exons	4485..4538, 5531..5638		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	56686	Seq. ID	OJ000323_01.0419.C17
Gene No.	118580	Strand	+
Start	4731	End	5638
Name	OJ000323_01.0419.C17.o2.gs	Method	GENSCAN
Start	4731	End	5348
GI	none	Score	.93
Exons	4731..4869, 5248..5348		

Seq. No.	56686	Seq. ID	OJ000323_01.0419.C17
Gene No.	118581	Strand	-
Start	800	End	5638
Name	OJ000323_01.0419.C17.o1.gs	Method	GENSCAN
Start	800	End	3006
GI	none	Score	.63

Exons	800..1173, 1731..3006		
Seq. No.	56686	Seq. ID	OJ000323_01.0419.C17
Gene No.	118581	Strand	-
Start	800	End	5638
Name	OJ000323_01.0419.C17.o1.np	Method	AAT/NAP
Start	1997	End	5638
GI	5042447	Score	61
Exons	1997..2051, 2712..2781, 5545..5638		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	56686	Seq. ID	OJ000323_01.0419.C17
Gene No.	118581	Strand	-
Start	800	End	5638
Name	OJ000323_01.0419.C17.o1.gp	Method	AAT/GAP
Start	4387	End	4771
GI	uC-osflcyp033a04b1	Score	678
Exons	4387..4771		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	56687	Seq. ID	OJ000323_01.0419.C18
Gene No.	118582	Strand	+
Start	1	End	1968
Name	OJ000323_01.0419.C18.o1.np	Method	AAT/NAP
Start	1	End	1968
GI	5852180	Score	135
Exons	1..87, 791..850, 1928..1968		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	56687	Seq. ID	OJ000323_01.0419.C18
Gene No.	118582	Strand	+
Start	1	End	1968
Name	OJ000323_01.0419.C18.o3.np	Method	AAT/NAP
Start	983	End	1084
GI	6721561	Score	85
Exons	983..1084		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	56687	Seq. ID	OJ000323_01.0419.C18
Gene No.	118582	Strand	+
Start	1	End	1968
Name	OJ000323_01.0419.C18.o1.gp	Method	AAT/GAP
Start	1581	End	1692
GI	uC-osflcyp088b12b1	Score	157
Exons	1581..1692		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	56687	Seq. ID	OJ000323_01.0419.C18
Gene No.	118583	Strand	-
Start	861	End	1968
Name	OJ000323_01.0419.C18.o2.np	Method	AAT/NAP

Start	861	End	1968
GI	4680183	Score	126
Exons	861..1015, 1804..1968		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	56688	Seq. ID	OJ000323_01.0419.C19
Gene No.	118584	Strand	+
Start	11	End	576
Name	OJ000323_01.0419.C19.o1.gp	Method	AAT/GAP
Start	11	End	576
GI	4879016	Score	877
Exons	11..576		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	56688	Seq. ID	OJ000323_01.0419.C19
Gene No.	118585	Strand	+
Start	851	End	1012
Name	OJ000323_01.0419.C19.o1.gs	Method	GENSCAN
Start	851	End	1012
GI	none	Score	.76
Exons	851..1012		

Seq. No.	56689	Seq. ID	OJ000323_01.0419.C25
Gene No.	118586	Strand	+
Start	1	End	118
Name	OJ000323_01.0419.C25.o1.gp	Method	AAT/GAP
Start	1	End	118
GI	LIB3477-003-P1-K1-E9	Score	165
Exons	1..118		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	56690	Seq. ID	OJ000323_01.0419.C26
Gene No.	118587	Strand	+
Start	2	End	2256
Name	OJ000323_01.0419.C26.o1.gs	Method	GENSCAN
Start	2	End	2256
GI	none	Score	.52
Exons	2..91, 1598..1674, 2031..2256		

Seq. No.	56690	Seq. ID	OJ000323_01.0419.C26
Gene No.	118588	Strand	-
Start	2193	End	2403
Name	OJ000323_01.0419.C26.o1.np	Method	AAT/NAP
Start	2193	End	2403
GI	7340860	Score	183
Exons	2193..2403		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	56691	Seq. ID	OJ000323_01.0419.C29
Gene No.	118589	Strand	-
Start	162	End	386
Name	OJ000323_01.0419.C29.o1.gs	Method	GENSCAN

Start	162	End	386
GI	none	Score	.58
Exons	162..386		

Seq. No.	56691	Seq. ID	OJ000323_01.0419.C29
Gene No.	118590	Strand	-
Start	674	End	2540
Name	OJ000323_01.0419.C29.o2.gs	Method	GENSCAN
Start	674	End	2346
GI	none	Score	.47
Exons	674..1068, 1202..1283, 1972..2346		

Seq. No.	56691	Seq. ID	OJ000323_01.0419.C29
Gene No.	118590	Strand	-
Start	674	End	2540
Name	OJ000323_01.0419.C29.o1.np	Method	AAT/NAP
Start	1778	End	2540
GI	7228457	Score	265
Exons	1778..2540		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	56692	Seq. ID	OJ000323_01.0419.C30
Gene No.	118591	Strand	-
Start	30	End	780
Name	OJ000323_01.0419.C30.o1.gs	Method	GENSCAN
Start	30	End	780
GI	none	Score	.53
Exons	30..477, 696..780		

Seq. No.	56693	Seq. ID	OJ000323_01.0419.C32
Gene No.	118592	Strand	+
Start	114	End	1617
Name	OJ000323_01.0419.C32.o1.gs	Method	GENSCAN
Start	114	End	1259
GI	none	Score	.79
Exons	114..263, 478..560, 574..709, 1100..1259		

Seq. No.	56693	Seq. ID	OJ000323_01.0419.C32
Gene No.	118592	Strand	+
Start	114	End	1617
Name	OJ000323_01.0419.C32.o1.np	Method	AAT/NAP
Start	114	End	1617
GI	6016874	Score	936
Exons	114..192, 276..413, 478..709, 1100..1351, 1588..1617		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	56693	Seq. ID	OJ000323_01.0419.C32
Gene No.	118592	Strand	+
Start	114	End	1617
Name	OJ000323_01.0419.C32.o1.tm	Method	TBLASTX:Maize
Start	462	End	907
GI	none	Score	63
Exons	462..515, 518..811, 556..741, 812..874, 869..907		

Seq. No.	56693	Seq. ID	OJ000323_01.0419.C32
Gene No.	118592	Strand	+
Start	114	End	1617
Name	OJ000323_01.0419.C32.o1.gp	Method	AAT/GAP
Start	802	End	1310
GI	uC-osf1cyp110c07b1	Score	950
Exons	802..1310		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	56693	Seq. ID	OJ000323_01.0419.C32
Gene No.	118592	Strand	+
Start	114	End	1617
Name	OJ000323_01.0419.C32.o2.tm	Method	TBLASTX:Maize
Start	1001	End	1315
GI	none	Score	53
Exons	1001..1075, 1088..1315, 1096..1314		

Seq. No.	56694	Seq. ID	OJ000323_01.0419.C33
Gene No.	118593	Strand	+
Start	353	End	803
Name	OJ000323_01.0419.C33.o1.np	Method	AAT/NAP
Start	353	End	617
GI	6016874	Score	395
Exons	353..617		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	56694	Seq. ID	OJ000323_01.0419.C33
Gene No.	118593	Strand	+
Start	353	End	803
Name	OJ000323_01.0419.C33.o1.gs	Method	GENSCAN
Start	363	End	803
GI	none	Score	.65
Exons	363..803		

Seq. No.	56695	Seq. ID	OJ000323_01.0419.C34
Gene No.	118594	Strand	-
Start	1	End	1159
Name	OJ000323_01.0419.C34.o1.np	Method	AAT/NAP
Start	1	End	1159
GI	7489568	Score	572
Exons	1..741, 811..1159		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-), receptor type - rice gi|2586087|gb|AAB82756.1| (U72724) receptor kinase-like protein [Oryza sativa]		

Seq. No.	56695	Seq. ID	OJ000323_01.0419.C34
Gene No.	118595	Strand	-
Start	3063	End	3721
Name	OJ000323_01.0419.C34.o1.tw	Method	TBLASTX:Wheat
Start	50	End	880
GI	none	Score	54
Exons	50..415, 311..451, 398..550, 659..802, 662..739, 812..880		

Seq. No.	56695	Seq. ID	OJ000323_01.0419.C34
Gene No.	118595	Strand	-
Start	3063	End	3721
Name	OJ000323_01.0419.C34.o1.tc	Method	TBLASTX:Cress
Start	56	End	3717
GI	none	Score	60
Exons	56..169, 137..586, 143..361, 179..358, 179..355, 332..799, 368..445, 371..613, 371..610, 374..931, 374..790, 548..760, 581..808, 657..776, 662..811, 662..757, 662..811, 692..796, 728..922, 744..926, 812..916, 824..934, 3344..3463, 3364..3462, 3628..3717		

Seq. No.	56695	Seq. ID	OJ000323_01.0419.C34
Gene No.	118595	Strand	-
Start	3063	End	3721
Name	OJ000323_01.0419.C34.o1.ts	Method	TBLASTX:Soybean
Start	56	End	3714
GI	none	Score	60
Exons	56..139, 56..139, 56..136, 137..361, 170..355, 179..367, 179..355, 185..811, 185..367, 254..355, 380..613, 383..781, 662..814, 662..814, 740..811, 812..934, 812..931, 812..931, 812..922, 830..922, 3325..3462, 3374..3463, 3616..3714		

Seq. No.	56695	Seq. ID	OJ000323_01.0419.C34
Gene No.	118595	Strand	-
Start	3063	End	3721
Name	OJ000323_01.0419.C34.o2.tm	Method	TBLASTX:Maize
Start	56	End	1004
GI	none	Score	82
Exons	56..145, 230..361, 236..346, 374..592, 527..610, 584..985, 713..979, 717..1004		

Seq. No.	56695	Seq. ID	OJ000323_01.0419.C34
Gene No.	118595	Strand	-
Start	3063	End	3721
Name	OJ000323_01.0419.C34.o2.np	Method	AAT/NAP
Start	3063	End	3721
GI	2130082	Score	247
Exons	3063..3461, 3540..3721		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]		

Seq. No.	56695	Seq. ID	OJ000323_01.0419.C34
Gene No.	118595	Strand	-
Start	3063	End	3721
Name	OJ000323_01.0419.C34.o1.tm	Method	TBLASTX:Maize
Start	3106	End	3585
GI	none	Score	88
Exons	3106..3237, 3117..3239, 3122..3238, 3127..3243, 3265..3462, 3267..3536, 3267..3470, 3539..3580, 3547..3585		

Seq. No.	56696	Seq. ID	OJ000323_01.0419.C35
Gene No.	118596	Strand	-

Start	1	End	6916
Name	OJ000323_01.0419.C35.o1.np	Method	AAT/NAP
Start	1	End	6427
GI	7434424	Score	1645
Exons	1..169, 256..1444, 4949..6054, 6124..6427		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) A1, receptor type - long-staminate rice gi|2586083|gb|AAB82755.1| (U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	56696	Seq. ID	OJ000323_01.0419.C35
Gene No.	118596	Strand	-
Start	1	End	6916
Name	OJ000323_01.0419.C35.o3.tm	Method	TBLASTX:Maize
Start	1	End	4411
GI	none	Score	98
Exons	1..123, 1..123, 116..193, 118..171, 257..292, 258..305, 4084..4194, 4088..4186, 4181..4213, 4235..4300, 4300..4410, 4301..4411		

Seq. No.	56696	Seq. ID	OJ000323_01.0419.C35
Gene No.	118596	Strand	-
Start	1	End	6916
Name	OJ000323_01.0419.C35.o2.ts	Method	TBLASTX:Soybean
Start	34	End	6223
GI	none	Score	67
Exons	34..123, 117..218, 1112..1456, 1115..1642, 1244..1420, 1250..1738, 1256..1522, 1259..1738, 1259..1666, 1259..1813, 1259..1741, 1260..1364, 1301..1717, 1331..1837, 1361..1480, 1400..1741, 1404..1565, 1448..1738, 1475..1651, 1577..1696, 1742..1831, 1862..2026, 1871..2056, 1871..2023, 1871..2050, 1871..2059, 1877..2137, 1922..2053, 2137..2496, 2137..2487, 2140..2511, 2143..2487, 2143..2478, 2143..2382, 2143..2496, 2143..2502, 2245..2364, 2288..2479, 2500..2625, 2500..2610, 2530..2625, 4853..4993, 4865..4993, 4892..5317, 4895..5392, 4895..5173, 4908..5210, 4908..5141, 4910..4990, 4910..5245, 4940..5059, 4982..5320, 5042..5131, 5043..5294, 5043..5174, 5048..5293, 5054..5377, 5054..5317, 5127..5297, 5144..5275, 5321..5410, 5450..5638, 5450..5635, 5450..5635, 5489..5530, 5539..5634, 5567..5632, 5623..5670, 5711..6073, 5711..5893, 5717..6085, 5717..6085, 5717..6061, 5723..6079, 5724..5753, 5726..6037, 5727..5924, 5727..6026, 5744..5875, 5843..6067, 6080..6193, 6083..6208, 6083..6202, 6083..6193, 6113..6223		

Seq. No.	56696	Seq. ID	OJ000323_01.0419.C35
Gene No.	118596	Strand	-
Start	1	End	6916
Name	OJ000323_01.0419.C35.o2.tw	Method	TBLASTX:Wheat
Start	82	End	4422
GI	none	Score	61
Exons	82..123, 117..245, 329..511, 339..431, 521..565, 4345..4422		

Seq. No.	56696	Seq. ID	OJ000323_01.0419.C35
Gene No.	118596	Strand	-
Start	1	End	6916
Name	OJ000323_01.0419.C35.o1.gs	Method	GENSCAN
Start	256	End	4203
GI	none	Score	.59

Exons 256..2088, 2172..2612, 2722..2883, 3047..3081, 3158..3324, 3525..3590, 4042..4203

Seq. No.	56696	Seq. ID	OJ000323_01.0419.C35
Gene No.	118596	Strand	-
Start	1	End	6916
Name	OJ000323_01.0419.C35.o1.ts	Method	TBLASTX:Soybean
Start	305	End	4410
GI	none	Score	114

Exons 305..511, 348..497, 545..742, 555..743, 758..850, 4300..4410, 4301..4402

Seq. No.	56696	Seq. ID	OJ000323_01.0419.C35
Gene No.	118596	Strand	-
Start	1	End	6916
Name	OJ000323_01.0419.C35.o1.tm	Method	TBLASTX:Maize
Start	323	End	682
GI	none	Score	301

Exons 323..679, 324..680, 331..681, 331..681, 539..682

Seq. No.	56696	Seq. ID	OJ000323_01.0419.C35
Gene No.	118596	Strand	-
Start	1	End	6916
Name	OJ000323_01.0419.C35.o1.tc	Method	TBLASTX:Cress
Start	350	End	6193
GI	none	Score	74

Exons 350..535, 351..494, 644..742, 749..850, 1052..1141, 1112..1525, 1115..1762, 1115..1675, 1118..1735, 1247..1714, 1256..1744, 1259..1513, 1262..1741, 1319..1741, 1326..1631, 1382..1738, 1404..1631, 1514..1738, 1745..1816, 1745..1831, 1751..1831, 1766..1834, 1862..2020, 1868..2023, 1871..2068, 1871..2047, 1871..2023, 1871..2023, 1910..2023, 1917..2024, 1988..2044, 2128..2487, 2143..2496, 2143..2502, 2143..2487, 2143..2469, 2143..2496, 2143..2607, 2144..2479, 2144..2596, 2146..2502, 2167..2496, 2216..2443, 2218..2496, 2500..2625, 2500..2622, 2500..2610, 4854..5030, 4862..4993, 4886..5293, 4889..5302, 4892..5236, 4892..4993, 4895..5164, 4898..5104, 4910..5296, 4910..4993, 4910..5101, 4922..5161, 4948..4989, 4961..5317, 4965..5150, 5054..5317, 5054..5302, 5054..5296, 5057..5320, 5094..5222, 5127..5291, 5267..5317, 5321..5443, 5330..5410, 5435..5635, 5441..5635, 5441..5557, 5441..5629, 5447..5617, 5450..5626, 5450..5635, 5450..5629, 5450..5635, 5469..5615, 5518..5619, 5639..5836, 5711..6085, 5711..6079, 5711..5908, 5717..6079, 5717..5992, 5717..5989, 5717..6085, 5717..6085, 5720..6070, 5723..6052, 5727..6026, 5727..6026, 5729..6070, 5736..5882, 5777..6079, 5793..6032, 5801..6079, 5859..5990, 5942..6007, 5942..6085, 6014..6193, 6083..6193, 6083..6193, 6083..6193, 6083..6193

Seq. No.	56696	Seq. ID	OJ000323_01.0419.C35
Gene No.	118596	Strand	-
Start	1	End	6916
Name	OJ000323_01.0419.C35.o4.tm	Method	TBLASTX:Maize
Start	944	End	4791
GI	none	Score	131

Exons 944..1141, 948..1127, 999..1157, 1001..1162, 4638..4670, 4694..4747, 4695..4763, 4767..4790, 4768..4791

Seq. No.	56696	Seq. ID	OJ000323_01.0419.C35
Gene No.	118596	Strand	-
Start	1	End	6916
Name	OJ000323_01.0419.C35.o2.tm	Method	TBLASTX:Maize
Start	1188	End	6298
GI	none	Score	60
Exons	1188..1283, 1259..1474, 1331..1462, 1403..1513, 1466..1690, 1475..1585, 1622..1741, 1622..1729, 1745..1834, 1745..1834, 1877..2050, 1877..1966, 1928..2050, 2272..2682, 2288..2665, 2494..2679, 2674..2709, 4898..4996, 5054..5164, 5083..5148, 5126..5245, 5324..5413, 5501..5629, 5711..5941, 5726..5830, 5861..6265, 5928..6026, 6150..6248, 6257..6298		

Seq. No.	56696	Seq. ID	OJ000323_01.0419.C35
Gene No.	118596	Strand	-
Start	1	End	6916
Name	OJ000323_01.0419.C35.o1.tw	Method	TBLASTX:Wheat
Start	1346	End	6007
GI	none	Score	106
Exons	1346..1534, 1397..1606, 1568..1798, 1694..2098, 1704..2078, 2140..2241, 2221..2409, 2500..2571, 5141..5383, 5273..5656, 5396..5458, 5538..5621, 5747..5893, 5771..5992, 5921..6007, 5942..5974		

Seq. No.	56696	Seq. ID	OJ000323_01.0419.C35
Gene No.	118596	Strand	-
Start	1	End	6916
Name	OJ000323_01.0419.C35.o2.gs	Method	GENSCAN
Start	4907	End	6916
GI	none	Score	.65
Exons	4907..6448, 6553..6650, 6865..6916		

Seq. No.	56697	Seq. ID	OJ000323_01.0419.C37
Gene No.	118597	Strand	+
Start	2	End	194
Name	OJ000323_01.0419.C37.o1.np	Method	AAT/NAP
Start	2	End	194
GI	4680199	Score	80
Exons	2..194		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	56697	Seq. ID	OJ000323_01.0419.C37
Gene No.	118598	Strand	-
Start	1	End	1215
Name	OJ000323_01.0419.C37.o2.np	Method	AAT/NAP
Start	1	End	1215
GI	6522592	Score	530
Exons	1..35, 206..1215		
GI Descrip.	(AL133292) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	56697	Seq. ID	OJ000323_01.0419.C37
Gene No.	118598	Strand	-
Start	1	End	1215
Name	OJ000323_01.0419.C37.o1.ts	Method	TBLASTX:Soybean
Start	273	End	1210

GI	none	Score	52
Exons	273..479, 294..476, 303..548, 480..599, 609..1115, 609..812, 708..902, 804..905, 954..1115, 1121..1210		

Seq. No.	56697	Seq. ID	OJ000323_01.0419.C37
Gene No.	118598	Strand	-
Start	1	End	1215
Name	OJ000323_01.0419.C37.o1.tw	Method	TBLASTX:Wheat
Start	297	End	1052
GI	none	Score	55
Exons	297..524, 354..473, 424..516, 427..579, 429..602, 483..569, 588..836, 759..878, 951..1052, 972..1052		

Seq. No.	56697	Seq. ID	OJ000323_01.0419.C37
Gene No.	118598	Strand	-
Start	1	End	1215
Name	OJ000323_01.0419.C37.o1.tm	Method	TBLASTX:Maize
Start	300	End	1204
GI	none	Score	118
Exons	300..566, 480..569, 594..902, 597..860, 654..773, 655..915, 975..1112, 1094..1204		

Seq. No.	56697	Seq. ID	OJ000323_01.0419.C37
Gene No.	118598	Strand	-
Start	1	End	1215
Name	OJ000323_01.0419.C37.o1.tc	Method	TBLASTX:Cress
Start	303	End	1210
GI	none	Score	88
Exons	303..548, 369..473, 609..902, 658..975, 954..1112, 957..1052, 978..1115, 1100..1210, 1121..1210		

Seq. No.	56697	Seq. ID	OJ000323_01.0419.C37
Gene No.	118598	Strand	-
Start	1	End	1215
Name	OJ000323_01.0419.C37.o1.gs	Method	GENSCAN
Start	656	End	907
GI	none	Score	.6
Exons	656..854, 896..907		

Seq. No.	56698	Seq. ID	OJ000323_01.0419.C38
Gene No.	118599	Strand	+
Start	76	End	1925
Name	OJ000323_01.0419.C38.o1.gs	Method	GENSCAN
Start	76	End	1695
GI	none	Score	.52
Exons	76..156, 232..325, 844..1695		

Seq. No.	56698	Seq. ID	OJ000323_01.0419.C38
Gene No.	118599	Strand	+
Start	76	End	1925
Name	OJ000323_01.0419.C38.o1.np	Method	AAT/NAP
Start	852	End	1925
GI	4234846	Score	632
Exons	852..1012, 1055..1925		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	56698	Seq. ID	OJ000323_01.0419.C38

Gene No.	118599	Strand	+
Start	76	End	1925
Name	OJ000323_01.0419.C38.o1.tm	Method	TBLASTX:Maize
Start	944	End	1924
GI	none	Score	582
Exons	944..1522, 945..1553, 1563..1694, 1634..1675, 1799..1846, 1889..1924		

Seq. No.	56699	Seq. ID	OJ000323_01.0419.C39
Gene No.	118600	Strand	-
Start	1	End	720
Name	OJ000323_01.0419.C39.o1.np	Method	AAT/NAP
Start	1	End	720
GI	6522540	Score	476
Exons	1..720		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		

Seq. No.	56699	Seq. ID	OJ000323_01.0419.C39
Gene No.	118600	Strand	-
Start	1	End	720
Name	OJ000323_01.0419.C39.o1.tc	Method	TBLASTX:Cress
Start	9	End	686
GI	none	Score	135
Exons	9..107, 171..338, 369..416, 453..686		

Seq. No.	56699	Seq. ID	OJ000323_01.0419.C39
Gene No.	118600	Strand	-
Start	1	End	720
Name	OJ000323_01.0419.C39.o1.ts	Method	TBLASTX:Soybean
Start	99	End	677
GI	none	Score	116
Exons	99..569, 183..338, 382..570, 585..677		

Seq. No.	56699	Seq. ID	OJ000323_01.0419.C39
Gene No.	118600	Strand	-
Start	1	End	720
Name	OJ000323_01.0419.C39.o1.tm	Method	TBLASTX:Maize
Start	156	End	508
GI	none	Score	203
Exons	156..506, 159..497, 160..507, 332..508		

Seq. No.	56700	Seq. ID	OJ000323_01.0419.C41
Gene No.	118601	Strand	+
Start	167	End	322
Name	OJ000323_01.0419.C41.o1.gs	Method	GENSCAN
Start	167	End	322
GI	none	Score	.83
Exons	167..322		

Seq. No.	56700	Seq. ID	OJ000323_01.0419.C41
Gene No.	118602	Strand	+
Start	729	End	1045
Name	OJ000323_01.0419.C41.o2.gs	Method	GENSCAN
Start	729	End	1006
GI	none	Score	.89
Exons	729..1006		

Seq. No.	56700	Seq. ID	OJ000323_01.0419.C41
Gene No.	118602	Strand	+
Start	729	End	1045
Name	OJ000323_01.0419.C41.o3.np	Method	AAT/NAP
Start	894	End	1045
GI	7484899	Score	116
Exons	894..1045		
GI Descrip.	cytochrome P450 homolog T19L18.2 - Arabidopsis thaliana gi|3075400|gb|AAC14532.1| (AC004484) putative thromboxane-A synthase [Arabidopsis thaliana]		

Seq. No.	56700	Seq. ID	OJ000323_01.0419.C41
Gene No.	118603	Strand	-
Start	120	End	271
Name	OJ000323_01.0419.C41.o1.np	Method	AAT/NAP
Start	120	End	271
GI	6907084	Score	109
Exons	120..271		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	56700	Seq. ID	OJ000323_01.0419.C41
Gene No.	118604	Strand	-
Start	525	End	1045
Name	OJ000323_01.0419.C41.o2.np	Method	AAT/NAP
Start	525	End	1045
GI	6006372	Score	64
Exons	525..608, 639..775, 990..1045		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	56701	Seq. ID	OJ000323_01.0419.C42
Gene No.	118605	Strand	+
Start	66	End	806
Name	OJ000323_01.0419.C42.o1.gs	Method	GENSCAN
Start	66	End	806
GI	none	Score	.56
Exons	66..391, 684..806		

Seq. No.	56702	Seq. ID	OJ000323_01.0419.C43
Gene No.	118606	Strand	+
Start	1294	End	1384
Name	OJ000323_01.0419.C43.o2.np	Method	AAT/NAP
Start	1294	End	1384
GI	4680183	Score	130
Exons	1294..1384		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	56702	Seq. ID	OJ000323_01.0419.C43
Gene No.	118607	Strand	-
Start	1	End	1262
Name	OJ000323_01.0419.C43.o1.np	Method	AAT/NAP
Start	1	End	1262
GI	6721561	Score	81
Exons	1..38, 1156..1262		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	56702	Seq. ID	OJ000323_01.0419.C43
Gene No.	118607	Strand	-
Start	1	End	1262
Name	OJ000323_01.0419.C43.o1.gs	Method	GENSCAN
Start	578	End	1262
GI	none	Score	.43
Exons	578..599, 1153..1262		

Seq. No.	56703	Seq. ID	OJ000323_01.0419.C44
Gene No.	118608	Strand	+
Start	84	End	762
Name	OJ000323_01.0419.C44.o1.gs	Method	GENSCAN
Start	84	End	546
GI	none	Score	.78
Exons	84..546		

Seq. No.	56703	Seq. ID	OJ000323_01.0419.C44
Gene No.	118608	Strand	+
Start	84	End	762
Name	OJ000323_01.0419.C44.o1.np	Method	AAT/NAP
Start	87	End	762
GI	6723412	Score	273
Exons	87..762		
GI Descrip.	(AL132965) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	56703	Seq. ID	OJ000323_01.0419.C44
Gene No.	118608	Strand	+
Start	84	End	762
Name	OJ000323_01.0419.C44.o1.tm	Method	TBLASTX:Maize
Start	201	End	710
GI	none	Score	41
Exons	201..242, 249..644, 251..511, 492..710		

Seq. No.	56703	Seq. ID	OJ000323_01.0419.C44
Gene No.	118608	Strand	+
Start	84	End	762
Name	OJ000323_01.0419.C44.o1.tc	Method	TBLASTX:Cress
Start	294	End	737
GI	none	Score	77
Exons	294..416, 297..416, 297..416, 297..416, 297..416, 297..485, 303..416, 306..428, 309..710, 311..415, 414..722, 414..578, 414..701, 417..701, 420..737, 420..728, 420..653, 420..725, 420..698, 429..713, 429..722, 443..718, 446..643, 447..713, 455..571, 507..713, 519..716, 585..728		

Seq. No.	56703	Seq. ID	OJ000323_01.0419.C44
Gene No.	118608	Strand	+
Start	84	End	762
Name	OJ000323_01.0419.C44.o1.ts	Method	TBLASTX:Soybean
Start	297	End	722
GI	none	Score	60
Exons	297..416, 297..416, 297..485, 306..416, 306..416, 414..722, 414..722, 414..722, 414..713, 420..653, 420..698, 461..631, 510..710, 570..716		

Seq. No.	56704	Seq. ID	OJ000323_01.0419.C47
Gene No.	118609	Strand	-
Start	303	End	1074
Name	OJ000323_01.0419.C47.o1.gs	Method	GENSCAN
Start	303	End	1074
GI	none	Score	.43
Exons	303..443, 1054..1074		

Seq. No.	56705	Seq. ID	OJ000323_02.0419.C1
Gene No.	118610	Strand	-
Start	218	End	573
Name	OJ000323_02.0419.C1.o1.gs	Method	GENSCAN
Start	218	End	573
GI	none	Score	.87
Exons	218..313, 419..573		

Seq. No.	56705	Seq. ID	OJ000323_02.0419.C1
Gene No.	118611	Strand	-
Start	632	End	714
Name	OJ000323_02.0419.C1.o1.np	Method	AAT/NAP
Start	632	End	714
GI	7523512	Score	97
Exons	632..714		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	56706	Seq. ID	OJ000323_02.0419.C8
Gene No.	118612	Strand	-
Start	1	End	1521
Name	OJ000323_02.0419.C8.o1.np	Method	AAT/NAP
Start	1	End	1521
GI	5803259	Score	1697
Exons	1..348, 393..634, 734..1521		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	56706	Seq. ID	OJ000323_02.0419.C8
Gene No.	118612	Strand	-
Start	1	End	1521
Name	OJ000323_02.0419.C8.o1.gs	Method	GENSCAN
Start	8	End	1350
GI	none	Score	.5
Exons	8..262, 274..634, 734..902, 1047..1350		

Seq. No.	56707	Seq. ID	OJ000323_02.0419.C10
Gene No.	118613	Strand	+
Start	1	End	759
Name	OJ000323_02.0419.C10.o1.np	Method	AAT/NAP
Start	1	End	759
GI	5669663	Score	1311
Exons	1..759		
GI Descrip.	(AF100765) receptor-like kinase [Oryza sativa]		

Seq. No.	56707	Seq. ID	OJ000323_02.0419.C10
Gene No.	118613	Strand	+
Start	1	End	759
Name	OJ000323_02.0419.C10.o1.tc	Method	TBLASTX:Cress
Start	1	End	745

GI	none	Score	150
Exons	1..135, 3..134, 159..470, 160..477, 402..485, 495..539, 599..745, 606..728		

Seq. No.	56707	Seq. ID	OJ000323_02.0419.C10
Gene No.	118613	Strand	+
Start	1	End	759
Name	OJ000323_02.0419.C10.o1.ts	Method	TBLASTX:Soybean
Start	1	End	728
GI	none	Score	136
Exons	1..138, 3..137, 151..486, 153..482, 594..728, 630..716		

Seq. No.	56707	Seq. ID	OJ000323_02.0419.C10
Gene No.	118613	Strand	+
Start	1	End	759
Name	OJ000323_02.0419.C10.o1.tm	Method	TBLASTX:Maize
Start	1	End	402
GI	none	Score	598
Exons	1..402, 1..396, 2..397, 3..401		

Seq. No.	56707	Seq. ID	OJ000323_02.0419.C10
Gene No.	118613	Strand	+
Start	1	End	759
Name	OJ000323_02.0419.C10.o1.tw	Method	TBLASTX:Wheat
Start	7	End	399
GI	none	Score	101
Exons	7..138, 9..128, 160..399, 177..320		

Seq. No.	56707	Seq. ID	OJ000323_02.0419.C10
Gene No.	118613	Strand	+
Start	1	End	759
Name	OJ000323_02.0419.C10.o1.gs	Method	GENSCAN
Start	235	End	510
GI	none	Score	.57
Exons	235..510		

Seq. No.	56707	Seq. ID	OJ000323_02.0419.C10
Gene No.	118613	Strand	+
Start	1	End	759
Name	OJ000323_02.0419.C10.o2.tw	Method	TBLASTX:Wheat
Start	400	End	733
GI	none	Score	67
Exons	400..477, 431..469, 477..548, 585..695, 596..733, 597..725		

Seq. No.	56707	Seq. ID	OJ000323_02.0419.C10
Gene No.	118613	Strand	+
Start	1	End	759
Name	OJ000323_02.0419.C10.o2.tm	Method	TBLASTX:Maize
Start	402	End	749
GI	none	Score	129
Exons	402..482, 403..483, 404..484, 480..749, 585..740, 590..748		

Seq. No.	56708	Seq. ID	OJ000323_02.0419.C13
Gene No.	118614	Strand	-
Start	30	End	715
Name	OJ000323_02.0419.C13.o1.gs	Method	GENSCAN
Start	30	End	715

GI	none	Score	.84
Exons	30..120, 570..715		

Seq. No.	56709	Seq. ID	OJ000323_02.0419.C14
Gene No.	118615	Strand	+
Start	1933	End	5238
Name	OJ000323_02.0419.C14.o1.np	Method	AAT/NAP
Start	1933	End	5235
GI	5803259	Score	4378
Exons	1933..3191, 3291..3523, 3569..5235		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	56709	Seq. ID	OJ000323_02.0419.C14
Gene No.	118615	Strand	+
Start	1933	End	5238
Name	OJ000323_02.0419.C14.o2.gs	Method	GENSCAN
Start	1933	End	5238
GI	none	Score	.83
Exons	1933..5238		

Seq. No.	56709	Seq. ID	OJ000323_02.0419.C14
Gene No.	118616	Strand	-
Start	5854	End	7733
Name	OJ000323_02.0419.C14.o2.tw	Method	TBLASTX:Wheat
Start	1804	End	6468
GI	none	Score	83
Exons	1804..1893, 5866..5991, 5870..5992, 6177..6467, 6184..6468, 6185..6463		

Seq. No.	56709	Seq. ID	OJ000323_02.0419.C14
Gene No.	118616	Strand	-
Start	5854	End	7733
Name	OJ000323_02.0419.C14.o3.gs	Method	GENSCAN
Start	5854	End	7625
GI	none	Score	.81
Exons	5854..7433, 7589..7625		

Seq. No.	56709	Seq. ID	OJ000323_02.0419.C14
Gene No.	118616	Strand	-
Start	5854	End	7733
Name	OJ000323_02.0419.C14.o2.np	Method	AAT/NAP
Start	5857	End	7733
GI	7228457	Score	2975
Exons	5857..7407, 7474..7733		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	56709	Seq. ID	OJ000323_02.0419.C14
Gene No.	118616	Strand	-
Start	5854	End	7733
Name	OJ000323_02.0419.C14.o2.tm	Method	TBLASTX:Maize
Start	5857	End	5997
GI	none	Score	122
Exons	5857..5997, 5858..5992		

Seq. No.	56709	Seq. ID	OJ000323_02.0419.C14

Gene No.	118616	Strand	-
Start	5854	End	7733
Name	OJ000323_02.0419.C14.o1.tw	Method	TBLASTX:Wheat
Start	6469	End	6850
GI	none	Score	165
Exons	6469..6849, 6500..6748, 6794..6850		

Seq. No.	56709	Seq. ID	OJ000323_02.0419.C14
Gene No.	118616	Strand	-
Start	5854	End	7733
Name	OJ000323_02.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	6664	End	6987
GI	none	Score	192
Exons	6664..6987, 6677..6958		

Seq. No.	56709	Seq. ID	OJ000323_02.0419.C14
Gene No.	118616	Strand	-
Start	5854	End	7733
Name	OJ000323_02.0419.C14.o3.tw	Method	TBLASTX:Wheat
Start	7180	End	7501
GI	none	Score	77
Exons	7180..7440, 7316..7501		

Seq. No.	56710	Seq. ID	OJ000323_02.0419.C15
Gene No.	118617	Strand	-
Start	1	End	1941
Name	OJ000323_02.0419.C15.o1.np	Method	AAT/NAP
Start	1	End	1941
GI	7228457	Score	2748
Exons	1..782, 905..1739, 1803..1941		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	56710	Seq. ID	OJ000323_02.0419.C15
Gene No.	118617	Strand	-
Start	1	End	1941
Name	OJ000323_02.0419.C15.o3.tw	Method	TBLASTX:Wheat
Start	9	End	198
GI	none	Score	112
Exons	9..197, 10..198		

Seq. No.	56710	Seq. ID	OJ000323_02.0419.C15
Gene No.	118617	Strand	-
Start	1	End	1941
Name	OJ000323_02.0419.C15.o1.gs	Method	GENSCAN
Start	24	End	1676
GI	none	Score	.72
Exons	24..1676		

Seq. No.	56710	Seq. ID	OJ000323_02.0419.C15
Gene No.	118617	Strand	-
Start	1	End	1941
Name	OJ000323_02.0419.C15.o1.ts	Method	TBLASTX:Soybean
Start	711	End	1082
GI	none	Score	90
Exons	711..1082, 922..1065		

Seq. No.	56710	Seq. ID	OJ000323_02.0419.C15
Gene No.	118617	Strand	-
Start	1	End	1941
Name	OJ000323_02.0419.C15.o2.tw	Method	TBLASTX:Wheat
Start	736	End	1161
GI	none	Score	333
Exons	736..1161, 741..1160		

Seq. No.	56710	Seq. ID	OJ000323_02.0419.C15
Gene No.	118617	Strand	-
Start	1	End	1941
Name	OJ000323_02.0419.C15.o2.tm	Method	TBLASTX:Maize
Start	834	End	1218
GI	none	Score	226
Exons	834..1217, 853..1218		

Seq. No.	56710	Seq. ID	OJ000323_02.0419.C15
Gene No.	118617	Strand	-
Start	1	End	1941
Name	OJ000323_02.0419.C15.o1.tm	Method	TBLASTX:Maize
Start	1245	End	1601
GI	none	Score	116
Exons	1245..1550, 1245..1601, 1255..1566		

Seq. No.	56710	Seq. ID	OJ000323_02.0419.C15
Gene No.	118617	Strand	-
Start	1	End	1941
Name	OJ000323_02.0419.C15.o1.tw	Method	TBLASTX:Wheat
Start	1269	End	1732
GI	none	Score	400
Exons	1269..1730, 1270..1731, 1289..1732		

Seq. No.	56710	Seq. ID	OJ000323_02.0419.C15
Gene No.	118617	Strand	-
Start	1	End	1941
Name	OJ000323_02.0419.C15.o2.ts	Method	TBLASTX:Soybean
Start	1326	End	1691
GI	none	Score	117
Exons	1326..1460, 1467..1691		

Seq. No.	56711	Seq. ID	OJ000323_02.0419.C16
Gene No.	118618	Strand	-
Start	1	End	1879
Name	OJ000323_02.0419.C16.o1.np	Method	AAT/NAP
Start	1	End	1879
GI	7228457	Score	2729
Exons	1..1757, 1819..1879		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	56711	Seq. ID	OJ000323_02.0419.C16
Gene No.	118618	Strand	-
Start	1	End	1879
Name	OJ000323_02.0419.C16.o1.tw	Method	TBLASTX:Wheat
Start	23	End	401

GI	none	Score	120
Exons	23..400, 39..206, 228..401		

Seq. No.	56711	Seq. ID	OJ000323_02.0419.C16
Gene No.	118618	Strand	-
Start	1	End	1879
Name	OJ000323_02.0419.C16.o2.tw	Method	TBLASTX:Wheat
Start	1139	End	1531
GI	none	Score	80
Exons	1139..1396, 1251..1412, 1379..1477, 1380..1460, 1484..1531		

Seq. No.	56711	Seq. ID	OJ000323_02.0419.C16
Gene No.	118618	Strand	-
Start	1	End	1879
Name	OJ000323_02.0419.C16.o1.tm	Method	TBLASTX:Maize
Start	1241	End	1526
GI	none	Score	86
Exons	1241..1489, 1242..1526		

Seq. No.	56712	Seq. ID	OJ000323_02.0419.C17
Gene No.	118619	Strand	+
Start	526	End	1428
Name	OJ000323_02.0419.C17.o2.np	Method	AAT/NAP
Start	526	End	1428
GI	7523512	Score	109
Exons	526..624, 1251..1428		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	56712	Seq. ID	OJ000323_02.0419.C17
Gene No.	118620	Strand	-
Start	1	End	1437
Name	OJ000323_02.0419.C17.o1.np	Method	AAT/NAP
Start	1	End	974
GI	5042454	Score	743
Exons	1..343, 399..505, 824..974		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	56712	Seq. ID	OJ000323_02.0419.C17
Gene No.	118620	Strand	-
Start	1	End	1437
Name	OJ000323_02.0419.C17.o1.gs	Method	GENSCAN
Start	58	End	1437
GI	none	Score	.55
Exons	58..343, 399..610, 1389..1437		

Seq. No.	56713	Seq. ID	OJ000323_02.0419.C18
Gene No.	118621	Strand	+
Start	724	End	1854
Name	OJ000323_02.0419.C18.o1.np	Method	AAT/NAP
Start	724	End	1854
GI	4234846	Score	699
Exons	724..1854		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	56713	Seq. ID	OJ000323_02.0419.C18
Gene No.	118621	Strand	+
Start	724	End	1854

Name	OJ000323_02.0419.C18.o1.gs	Method	GENSCAN
Start	739	End	1838
GI	none	Score	.83
Exons	739..1055, 1082..1838		

Seq. No.	56713	Seq. ID	OJ000323_02.0419.C18
Gene No.	118621	Strand	+
Start	724	End	1854
Name	OJ000323_02.0419.C18.o1.tm	Method	TBLASTX:Maize
Start	874	End	1771
GI	none	Score	171
Exons	874..1032, 888..1031, 898..1053, 1116..1349, 1118..1306, 1125..1310, 1243..1326, 1482..1586, 1697..1771		

Seq. No.	56714	Seq. ID	OJ000323_02.0419.C24
Gene No.	118622	Strand	+
Start	242	End	1059
Name	OJ000323_02.0419.C24.o1.gs	Method	GENSCAN
Start	242	End	1059
GI	none	Score	.61
Exons	242..330, 605..683, 925..1059		

Seq. No.	56715	Seq. ID	OJ000323_02.0419.C28
Gene No.	118623	Strand	+
Start	724	End	1094
Name	OJ000323_02.0419.C28.o1.gp	Method	AAT/GAP
Start	724	End	1094
GI	uC-osflcyp033a04b1	Score	504
Exons	724..1094		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	56715	Seq. ID	OJ000323_02.0419.C28
Gene No.	118624	Strand	-
Start	655	End	1524
Name	OJ000323_02.0419.C28.o1.np	Method	AAT/NAP
Start	655	End	1524
GI	4680186	Score	290
Exons	655..855, 1475..1524		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	56716	Seq. ID	OJ000323_02.0419.C31
Gene No.	118625	Strand	+
Start	182	End	716
Name	OJ000323_02.0419.C31.o1.np	Method	AAT/NAP
Start	182	End	716
GI	7489594	Score	372
Exons	182..217, 432..716		
GI Descrip.	S-receptor kinase homolog - rice (fragment) gi|2832304|gb|AAC01746.1| (AF044489) receptor-like protein kinase [Oryza sativa]		

Seq. No.	56716	Seq. ID	OJ000323_02.0419.C31
Gene No.	118625	Strand	+
Start	182	End	716
Name	OJ000323_02.0419.C31.o1.gs	Method	GENSCAN
Start	194	End	659

GI	none	Score	.84
Exons	194..217, 432..659		

Seq. No.	56716	Seq. ID	OJ000323_02.0419.C31
Gene No.	118625	Strand	+
Start	182	End	716
Name	OJ000323_02.0419.C31.o1.tm	Method	TBLASTX:Maize
Start	398	End	697
GI	none	Score	67
Exons	398..463, 398..463, 428..697,	457..603,	473..697

Seq. No.	56716	Seq. ID	OJ000323_02.0419.C31
Gene No.	118625	Strand	+
Start	182	End	716
Name	OJ000323_02.0419.C31.o1.ts	Method	TBLASTX:Soybean
Start	533	End	700
GI	none	Score	184
Exons	533..700, 535..606, 593..685		

Seq. No.	56717	Seq. ID	OJ000323_02.0419.C32
Gene No.	118626	Strand	-
Start	208	End	1014
Name	OJ000323_02.0419.C32.o1.gs	Method	GENSCAN
Start	208	End	1014
GI	none	Score	.45
Exons	208..389, 1008..1014		

Seq. No.	56718	Seq. ID	OJ000323_02.0419.C33
Gene No.	118627	Strand	+
Start	485	End	1443
Name	OJ000323_02.0419.C33.o1.tm	Method	TBLASTX:Maize
Start	482	End	829
GI	none	Score	45
Exons	482..592, 581..793, 593..790,	800..829	

Seq. No.	56718	Seq. ID	OJ000323_02.0419.C33
Gene No.	118627	Strand	+
Start	485	End	1443
Name	OJ000323_02.0419.C33.o1.gs	Method	GENSCAN
Start	485	End	1405
GI	none	Score	.69
Exons	485..1215, 1313..1405		

Seq. No.	56718	Seq. ID	OJ000323_02.0419.C33
Gene No.	118627	Strand	+
Start	485	End	1443
Name	OJ000323_02.0419.C33.o1.np	Method	AAT/NAP
Start	485	End	1443
GI	5679312	Score	1191
Exons	485..1286, 1406..1443		
GI Descrip.	(AF164020) receptor kinase [Oryza sativa]		

Seq. No.	56719	Seq. ID	OJ000323_02.0419.C39
Gene No.	118628	Strand	+
Start	227	End	853
Name	OJ000323_02.0419.C39.o1.gs	Method	GENSCAN
Start	227	End	853

GI	none	Score	.77
Exons	227..391, 732..853		

Seq. No.	56719	Seq. ID	OJ000323_02.0419.C39
Gene No.	118629	Strand	-
Start	812	End	925
Name	OJ000323_02.0419.C39.o1.np	Method	AAT/NAP
Start	812	End	925
GI	5669665	Score	121
Exons	812..925		
GI Descrip.	(AF100766) receptor-like kinase [Oryza sativa]		

Seq. No.	56720	Seq. ID	OJ000323_02.0419.C40
Gene No.	118630	Strand	+
Start	1	End	3229
Name	OJ000323_02.0419.C40.o1.np	Method	AAT/NAP
Start	1	End	3229
GI	5295955	Score	469
Exons	1..86, 626..739, 1422..1542, 1589..1872, 2001..2571, 3135..3229		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	56720	Seq. ID	OJ000323_02.0419.C40
Gene No.	118630	Strand	+
Start	1	End	3229
Name	OJ000323_02.0419.C40.o1.gs	Method	GENSCAN
Start	562	End	1245
GI	none	Score	.82
Exons	562..680, 1164..1245		

Seq. No.	56720	Seq. ID	OJ000323_02.0419.C40
Gene No.	118631	Strand	-
Start	1	End	3363
Name	OJ000323_02.0419.C40.o2.np	Method	AAT/NAP
Start	1	End	3363
GI	6907089	Score	678
Exons	1..65, 1843..1971, 2960..3363		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	56720	Seq. ID	OJ000323_02.0419.C40
Gene No.	118631	Strand	-
Start	1	End	3363
Name	OJ000323_02.0419.C40.o2.gs	Method	GENSCAN
Start	1624	End	3283
GI	none	Score	.63
Exons	1624..1906, 1999..2242, 2535..2595, 2969..3283		

Seq. No.	56721	Seq. ID	OJ000323_02.0419.C41
Gene No.	118632	Strand	-
Start	190	End	908
Name	OJ000323_02.0419.C41.o1.gs	Method	GENSCAN
Start	190	End	908
GI	none	Score	.54
Exons	190..306, 855..908		

Seq. No.	56722	Seq. ID	OJ000323_03.0419.C3
Gene No.	118633	Strand	+

Start	1	End	870
Name	OJ000323_03.0419.C3.o1.np	Method	AAT/NAP
Start	1	End	865
GI	7486903	Score	897
Exons	1..865		
GI Descrip.	hypothetical protein T12H20.3 - Arabidopsis thaliana gi|3600033|gb|AAC35521.1| (AF080119) contains similarity to the N terminal domain of the E1 protein (Pfam: E1_N.hmm, score: 12.36) [Arabidopsis thaliana] gi|7267769|emb|CAB81172.1| (AL161518) putative transcriptional regulator [Arabidopsis thaliana]		

Seq. No.	56722	Seq. ID	OJ000323_03.0419.C3
Gene No.	118633	Strand	+
Start	1	End	870
Name	OJ000323_03.0419.C3.o1.gp	Method	AAT/GAP
Start	177	End	853
GI	22442_1.R1084	Score	1320
Exons	177..853		
GI Descrip.	'3600033 1.0e-92 (AF080119) contains similarity to the N terminal domain of the E1 protein (Pfam: E1_N.hmm, score: 12.36) [Arabidopsis thaliana]'		

Seq. No.	56722	Seq. ID	OJ000323_03.0419.C3
Gene No.	118633	Strand	+
Start	1	End	870
Name	OJ000323_03.0419.C3.o1.tm	Method	TBLASTX:Maize
Start	179	End	870
GI	none	Score	598
Exons	179..568, 179..511, 180..653, 303..512, 439..516, 564..656, 633..869, 719..808, 745..870, 768..869, 787..870		

Seq. No.	56722	Seq. ID	OJ000323_03.0419.C3
Gene No.	118633	Strand	+
Start	1	End	870
Name	OJ000323_03.0419.C3.o2.ts	Method	TBLASTX:Soybean
Start	182	End	319
GI	none	Score	205
Exons	182..319, 182..307, 190..318		

Seq. No.	56722	Seq. ID	OJ000323_03.0419.C3
Gene No.	118633	Strand	+
Start	1	End	870
Name	OJ000323_03.0419.C3.o1.ts	Method	TBLASTX:Soybean
Start	320	End	769
GI	none	Score	314
Exons	320..568, 320..511, 366..512, 552..641, 686..745, 722..769		

Seq. No.	56722	Seq. ID	OJ000323_03.0419.C3
Gene No.	118633	Strand	+
Start	1	End	870
Name	OJ000323_03.0419.C3.o1.tc	Method	TBLASTX:Cress
Start	341	End	811
GI	none	Score	277
Exons	341..520, 379..534, 380..511, 448..513, 588..641, 686..811, 722..787		

Seq. No.	56723	Seq. ID	OJ000323_03.0419.C4
Gene No.	118634	Strand	-
Start	1	End	1960
Name	OJ000323_03.0419.C4.o1.np	Method	AAT/NAP
Start	1	End	1960
GI	584892	Score	655
Exons	1..102, 208..271, 437..690, 778..858, 1056..1157, 1257..1294, 1375..1477, 1558..1680, 1922..1960		
GI Descrip.	SERINE CARBOXYPEPTIDASE I PRECURSOR (CARBOXYPEPTIDASE C) gi|629805|pir||S43516 serine carboxypeptidase I - rice gi|409580|dbj|BAA04510.1| (D17586) serine carboxypeptidase I [Oryza sativa]		

Seq. No.	56723	Seq. ID	OJ000323_03.0419.C4
Gene No.	118634	Strand	-
Start	1	End	1960
Name	OJ000323_03.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	1	End	1695
GI	none	Score	91
Exons	1..36, 40..111, 41..103, 202..270, 208..273, 442..555, 451..690, 452..691, 453..695, 776..859, 776..859, 778..861, 1044..1172, 1054..1167, 1257..1277, 1257..1322, 1368..1478, 1370..1486, 1373..1486, 1558..1695, 1559..1684		

Seq. No.	56723	Seq. ID	OJ000323_03.0419.C4
Gene No.	118634	Strand	-
Start	1	End	1960
Name	OJ000323_03.0419.C4.o1.gp	Method	AAT/GAP
Start	57	End	677
GI	64779_1.R1084	Score	595
Exons	57..102, 208..273, 451..677		
GI Descrip.	'167012 2.0e-27 (J03897) carboxypeptidase I precursor [Hordeum vulgare]'		

Seq. No.	56723	Seq. ID	OJ000323_03.0419.C4
Gene No.	118634	Strand	-
Start	1	End	1960
Name	OJ000323_03.0419.C4.o1.ts	Method	TBLASTX:Soybean
Start	205	End	1695
GI	none	Score	116
Exons	205..270, 475..681, 476..610, 647..697, 1054..1170, 1054..1164, 1056..1172, 1373..1486, 1374..1478, 1558..1695, 1562..1684		

Seq. No.	56723	Seq. ID	OJ000323_03.0419.C4
Gene No.	118634	Strand	-
Start	1	End	1960
Name	OJ000323_03.0419.C4.o1.gs	Method	GENSCAN
Start	208	End	1680
GI	none	Score	.96
Exons	208..273, 451..690, 1558..1680		

Seq. No.	56723	Seq. ID	OJ000323_03.0419.C4
Gene No.	118634	Strand	-
Start	1	End	1960
Name	OJ000323_03.0419.C4.o1.tc	Method	TBLASTX:Cress
Start	475	End	1695
GI	none	Score	104

Exons	475..618, 500..628, 610..690, 644..691, 781..861, 1007..1159, 1056..1163, 1056..1163, 1057..1167, 1257..1322, 1373..1486, 1374..1478, 1382..1486, 1558..1695, 1562..1681		

Seq. No.	56723	Seq. ID	OJ000323_03.0419.C4
Gene No.	118634	Strand	-
Start	1	End	1960
Name	OJ000323_03.0419.C4.o2.gp	Method	AAT/GAP
Start	610	End	1040
GI	LIB3434-028-P1-K1-D3	Score	241
Exons	610..690, 778..867, 1006..1040		
GI Descrip.	'584892/sp|P37890|CBP1_ORYSA 8.0e-17 SERINE CARBOXYPEPTIDASE I PRECURSOR (CARBOXYPEPTIDASE C) >gi_629805_pir__S43516 serine carboxypeptidase I - rice >gi_409580_dbj_BAA04510_ (D17586) serine carboxypeptidase I [Oryza sativa]'		

Seq. No.	56723	Seq. ID	OJ000323_03.0419.C4
Gene No.	118634	Strand	-
Start	1	End	1960
Name	OJ000323_03.0419.C4.o3.gp	Method	AAT/GAP
Start	807	End	1182
GI	LIB3434-028-P1-K1-D3	Score	264
Exons	807..858, 1056..1182		
GI Descrip.	'584892/sp|P37890|CBP1_ORYSA 8.0e-17 SERINE CARBOXYPEPTIDASE I PRECURSOR (CARBOXYPEPTIDASE C) >gi_629805_pir__S43516 serine carboxypeptidase I - rice >gi_409580_dbj_BAA04510_ (D17586) serine carboxypeptidase I [Oryza sativa]'		

Seq. No.	56724	Seq. ID	OJ000323_03.0419.C5
Gene No.	118635	Strand	+
Start	765	End	1581
Name	OJ000323_03.0419.C5.o1.gs	Method	GENSCAN
Start	765	End	1581
GI	none	Score	.56
Exons	765..861, 1511..1581		

Seq. No.	56725	Seq. ID	OJ000323_03.0419.C7
Gene No.	118636	Strand	+
Start	1	End	922
Name	OJ000323_03.0419.C7.o1.np	Method	AAT/NAP
Start	1	End	922
GI	584892	Score	173
Exons	1..79, 190..282, 903..922		
GI Descrip.	SERINE CARBOXYPEPTIDASE I PRECURSOR (CARBOXYPEPTIDASE C) gi|629805|pir||S43516 serine carboxypeptidase I - rice gi|409580|dbj|BAA04510.1| (D17586) serine carboxypeptidase I [Oryza sativa]		

Seq. No.	56725	Seq. ID	OJ000323_03.0419.C7
Gene No.	118636	Strand	+
Start	1	End	922
Name	OJ000323_03.0419.C7.o1.ts	Method	TBLASTX:Soybean
Start	6	End	269
GI	none	Score	128
Exons	6..80, 10..81, 158..268, 177..269		

Seq. No.	56725	Seq. ID	OJ000323_03.0419.C7

Gene No.	118636	Strand	+
Start	1	End	922
Name	OJ000323_03.0419.C7.o1.tc	Method	TBLASTX:Cress
Start	9	End	269
GI	none	Score	131
Exons	9..86, 10..81, 177..269, 188..268		

Seq. No.	56725	Seq. ID	OJ000323_03.0419.C7
Gene No.	118636	Strand	+
Start	1	End	922
Name	OJ000323_03.0419.C7.o1.gs	Method	GENSCAN
Start	45	End	266
GI	none	Score	.56
Exons	45..79, 185..266		

Seq. No.	56726	Seq. ID	OJ000323_03.0419.C11
Gene No.	118637	Strand	+
Start	3355	End	4483
Name	OJ000323_03.0419.C11.o1.np	Method	AAT/NAP
Start	3355	End	4483
GI	3928543	Score	62
Exons	3355..3539, 4381..4483		
GI Descrip.	(AB016819) UDP-glucose glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	56727	Seq. ID	OJ000323_03.0419.C12
Gene No.	118638	Strand	-
Start	1087	End	1221
Name	OJ000323_03.0419.C12.o1.gs	Method	GENSCAN
Start	1087	End	1221
GI	none	Score	.4
Exons	1087..1221		

Seq. No.	56728	Seq. ID	OJ000323_03.0419.C13
Gene No.	118639	Strand	-
Start	3400	End	3484
Name	OJ000323_03.0419.C13.o1.gp	Method	AAT/GAP
Start	3400	End	3484
GI	LIB3477-003-P1-K1-E9	Score	99
Exons	3400..3484		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	56729	Seq. ID	OJ000323_03.0419.C15
Gene No.	118640	Strand	+
Start	3951	End	4726
Name	OJ000323_03.0419.C15.o1.np	Method	AAT/NAP
Start	3951	End	4726
GI	7523517	Score	377
Exons	3951..4248, 4393..4447, 4682..4726		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	56730	Seq. ID	OJ000323_03.0419.C16
Gene No.	118641	Strand	+
Start	182	End	2212
Name	OJ000323_03.0419.C16.o1.gs	Method	GENSCAN

Start	182	End	2212
GI	none	Score	.79
Exons	182..418, 446..1341, 1402..2212		

Seq. No.	56730	Seq. ID	OJ000323_03.0419.C16
Gene No.	118642	Strand	+
Start	2232	End	3779
Name	OJ000323_03.0419.C16.o1.np	Method	AAT/NAP
Start	2232	End	3779
GI	5902445	Score	1306
Exons	2232..2495, 2535..3779		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	56730	Seq. ID	OJ000323_03.0419.C16
Gene No.	118643	Strand	+
Start	6704	End	11467
Name	OJ000323_03.0419.C16.o4.np	Method	AAT/NAP
Start	6704	End	11467
GI	6466937	Score	1545
Exons	6704..6737, 8346..8807, 8853..11467		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	56730	Seq. ID	OJ000323_03.0419.C16
Gene No.	118643	Strand	+
Start	6704	End	11467
Name	OJ000323_03.0419.C16.o3.np	Method	AAT/NAP
Start	8308	End	8544
GI	4585933	Score	74
Exons	8308..8544		
GI Descrip.	(AC007211) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56730	Seq. ID	OJ000323_03.0419.C16
Gene No.	118644	Strand	-
Start	5309	End	6550
Name	OJ000323_03.0419.C16.o5.tw	Method	TBLASTX:Wheat
Start	1067	End	1465
GI	none	Score	241
Exons	1067..1465, 1175..1210, 1192..1374		

Seq. No.	56730	Seq. ID	OJ000323_03.0419.C16
Gene No.	118644	Strand	-
Start	5309	End	6550
Name	OJ000323_03.0419.C16.o4.tm	Method	TBLASTX:Maize
Start	2655	End	2960
GI	none	Score	325
Exons	2655..2960, 2693..2959		

Seq. No.	56730	Seq. ID	OJ000323_03.0419.C16
Gene No.	118644	Strand	-
Start	5309	End	6550
Name	OJ000323_03.0419.C16.o3.tw	Method	TBLASTX:Wheat
Start	2786	End	3140
GI	none	Score	340
Exons	2786..2827, 2787..3140, 2790..3032, 2888..3136		

Seq. No.	56730	Seq. ID	OJ000323_03.0419.C16

Gene No.	118644	Strand	-
Start	5309	End	6550
Name	OJ000323_03.0419.C16.o1.tw	Method	TBLASTX:Wheat
Start	3162	End	3770
GI	none	Score	342
Exons	3162..3614, 3176..3265, 3311..3418, 3639..3770, 3644..3769		

Seq. No.	56730	Seq. ID	OJ000323_03.0419.C16
Gene No.	118644	Strand	-
Start	5309	End	6550
Name	OJ000323_03.0419.C16.o6.tm	Method	TBLASTX:Maize
Start	3384	End	3647
GI	none	Score	191
Exons	3384..3647		

Seq. No.	56730	Seq. ID	OJ000323_03.0419.C16
Gene No.	118644	Strand	-
Start	5309	End	6550
Name	OJ000323_03.0419.C16.o2.np	Method	AAT/NAP
Start	5309	End	6550
GI	6721561	Score	1085
Exons	5309..6073, 6155..6214, 6284..6550		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	56730	Seq. ID	OJ000323_03.0419.C16
Gene No.	118645	Strand	
Start	8993	End	9833
Name	OJ000323_03.0419.C16.o5.tm	Method	TBLASTX:Maize
Start	8993	End	9833
GI	none	Score	139
Exons	8993..9106, 8994..9125, 9018..9119, 9192..9440, 9522..9611, 9741..9833		

Seq. No.	56730	Seq. ID	OJ000323_03.0419.C16
Gene No.	118646	Strand	
Start	9822	End	10358
Name	OJ000323_03.0419.C16.o2.tw	Method	TBLASTX:Wheat
Start	9822	End	10304
GI	none	Score	367
Exons	9822..10304, 9830..10246		

Seq. No.	56730	Seq. ID	OJ000323_03.0419.C16
Gene No.	118646	Strand	
Start	9822	End	10358
Name	OJ000323_03.0419.C16.o2.ts	Method	TBLASTX:Soybean
Start	9858	End	10172
GI	none	Score	227
Exons	9858..10172		

Seq. No.	56730	Seq. ID	OJ000323_03.0419.C16
Gene No.	118646	Strand	
Start	9822	End	10358
Name	OJ000323_03.0419.C16.o2.tm	Method	TBLASTX:Maize

Start	9879	End	10358
GI	none	Score	560
Exons	9879..10358, 9890..10357		

Seq. No.	56730	Seq. ID	OJ000323_03.0419.C16
Gene No.	118646	Strand	
Start	9822	End	10358
Name	OJ000323_03.0419.C16.o1.tc	Method	TBLASTX:Cress
Start	9975	End	10274
GI	none	Score	185
Exons	9975..10274		

Seq. No.	56730	Seq. ID	OJ000323_03.0419.C16
Gene No.	118647	Strand	
Start	10281	End	10919
Name	OJ000323_03.0419.C16.o1.ts	Method	TBLASTX:Soybean
Start	10281	End	10628
GI	none	Score	324
Exons	10281..10628, 10286..10567		

Seq. No.	56730	Seq. ID	OJ000323_03.0419.C16
Gene No.	118647	Strand	
Start	10281	End	10919
Name	OJ000323_03.0419.C16.o4.tw	Method	TBLASTX:Wheat
Start	10353	End	10754
GI	none	Score	316
Exons	10353..10754, 10385..10576		

Seq. No.	56730	Seq. ID	OJ000323_03.0419.C16
Gene No.	118647	Strand	
Start	10281	End	10919
Name	OJ000323_03.0419.C16.o1.tm	Method	TBLASTX:Maize
Start	10382	End	10919
GI	none	Score	616
Exons	10382..10711, 10383..10919		

Seq. No.	56730	Seq. ID	OJ000323_03.0419.C16
Gene No.	118648	Strand	
Start	10920	End	11399
Name	OJ000323_03.0419.C16.o3.tm	Method	TBLASTX:Maize
Start	10920	End	11345
GI	none	Score	186
Exons	10920..11078, 10920..11033, 10924..11073, 10925..11077, 10927..11079, 11100..11345, 11124..11309		

Seq. No.	56730	Seq. ID	OJ000323_03.0419.C16
Gene No.	118648	Strand	
Start	10920	End	11399
Name	OJ000323_03.0419.C16.o6.tw	Method	TBLASTX:Wheat
Start	11085	End	11399
GI	none	Score	234
Exons	11085..11399		

Seq. No.	56731	Seq. ID	OJ000323_03.0419.C18
Gene No.	118649	Strand	+
Start	126	End	231
Name	OJ000323_03.0419.C18.o1.gs	Method	GENSCAN

Start	126	End	231
GI	none	Score	.48
Exons	126..231		

Seq. No.	56732	Seq. ID	OJ000323_03.0419.C20
Gene No.	118650	Strand	+
Start	3129	End	4910
Name	OJ000323_03.0419.C20.o1.gs	Method	GENSCAN
Start	3129	End	4910
GI	none	Score	.55
Exons	3129..3216, 4250..4388, 4740..4910		

Seq. No.	56733	Seq. ID	OJ000323_03.0419.C24
Gene No.	118651	Strand	+
Start	1	End	2042
Name	OJ000323_03.0419.C24.o1.np	Method	AAT/NAP
Start	1	End	1483
GI	6742729	Score	2195
Exons	1..1483		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	56733	Seq. ID	OJ000323_03.0419.C24
Gene No.	118651	Strand	+
Start	1	End	2042
Name	OJ000323_03.0419.C24.o1.gs	Method	GENSCAN
Start	151	End	2042
GI	none	Score	.77
Exons	151..285, 447..879, 942..999, 1047..1308, 1453..2042		

Seq. No.	56733	Seq. ID	OJ000323_03.0419.C24
Gene No.	118651	Strand	+
Start	1	End	2042
Name	OJ000323_03.0419.C24.o2.tw	Method	TBLASTX:Wheat
Start	236	End	643
GI	none	Score	74
Exons	236..286, 237..299, 305..337, 309..350, 331..483, 331..489, 332..529, 559..642, 562..642, 563..643		

Seq. No.	56733	Seq. ID	OJ000323_03.0419.C24
Gene No.	118651	Strand	+
Start	1	End	2042
Name	OJ000323_03.0419.C24.o1.tm	Method	TBLASTX:Maize
Start	626	End	1006
GI	none	Score	42
Exons	626..676, 692..1006, 703..978		

Seq. No.	56733	Seq. ID	OJ000323_03.0419.C24
Gene No.	118651	Strand	+
Start	1	End	2042
Name	OJ000323_03.0419.C24.o1.tw	Method	TBLASTX:Wheat
Start	644	End	1967
GI	none	Score	54
Exons	644..829, 648..749, 649..1065, 650..1066, 1061..1099, 1074..1535, 1135..1536, 1154..1552, 1164..1568, 1543..1608, 1563..1607, 1610..1705, 1614..1673, 1652..1792, 1653..1781, 1665..1799, 1682..1801, 1806..1886, 1875..1967		

Seq. No.	56733	Seq. ID	OJ000323_03.0419.C24
Gene No.	118651	Strand	+
Start	1	End	2042
Name	OJ000323_03.0419.C24.o1.tc	Method	TBLASTX:Cress
Start	937	End	1385
GI	none	Score	89
Exons	937..1056, 937..1065, 941..1066, 1074..1385, 1164..1385		

Seq. No.	56733	Seq. ID	OJ000323_03.0419.C24
Gene No.	118651	Strand	+
Start	1	End	2042
Name	OJ000323_03.0419.C24.o2.np	Method	AAT/NAP
Start	1517	End	1763
GI	4038057	Score	74
Exons	1517..1763		
GI Descrip.	(AC005897) En/Spm-like transposon protein [Arabidopsis thaliana]		

Seq. No.	56734	Seq. ID	OJ000323_03.0419.C25
Gene No.	118652	Strand	+
Start	95	End	631
Name	OJ000323_03.0419.C25.o1.gs	Method	GENSCAN
Start	95	End	631
GI	none	Score	.8
Exons	95..238, 307..631		

Seq. No.	56734	Seq. ID	OJ000323_03.0419.C25
Gene No.	118653	Strand	+
Start	1907	End	2479
Name	OJ000323_03.0419.C25.o2.gs	Method	GENSCAN
Start	1907	End	2479
GI	none	Score	.96
Exons	1907..2479		

Seq. No.	56734	Seq. ID	OJ000323_03.0419.C25
Gene No.	118654	Strand	+
Start	4646	End	6218
Name	OJ000323_03.0419.C25.o4.gs	Method	GENSCAN
Start	4646	End	6218
GI	none	Score	.57
Exons	4646..4711, 5712..6218		

Seq. No.	56734	Seq. ID	OJ000323_03.0419.C25
Gene No.	118655	Strand	-
Start	2467	End	6473
Name	OJ000323_03.0419.C25.o1.np	Method	AAT/NAP
Start	2467	End	4917
GI	5852180	Score	684
Exons	2467..2505, 3205..3616, 3668..3784, 4865..4917		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	56734	Seq. ID	OJ000323_03.0419.C25
Gene No.	118655	Strand	-
Start	2467	End	6473
Name	OJ000323_03.0419.C25.o2.np	Method	AAT/NAP
Start	2663	End	6473
GI	5042454	Score	104
Exons	2663..2686, 2942..3623, 6198..6473		

GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No.	56734	Seq. ID	OJ000323_03.0419.C25
Gene No.	118655	Strand	-
Start	2467	End	6473
Name	OJ000323_03.0419.C25.o3.gs	Method	GENSCAN
Start	3056	End	4108
GI	none	Score	.63
Exons	3056..3662, 3668..3784, 3942..4108		

Seq. No.	56734	Seq. ID	OJ000323_03.0419.C25
Gene No.	118655	Strand	-
Start	2467	End	6473
Name	OJ000323_03.0419.C25.o1.tw	Method	TBLASTX:Wheat
Start	5793	End	6194
GI	none	Score	207
Exons	5793..6023, 5793..5987, 5849..6022, 6030..6194, 6077..6193		

Seq. No.	56734	Seq. ID	OJ000323_03.0419.C25
Gene No.	118655	Strand	-
Start	2467	End	6473
Name	OJ000323_03.0419.C25.o3.np	Method	AAT/NAP
Start	6369	End	6422
GI	5042454	Score	78
Exons	6369..6422		

GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118656	Strand	+
Start	73	End	515
Name	OJ000323_03.0419.C26.o1.gs	Method	GENSCAN
Start	73	End	515
GI	none	Score	.88
Exons	73..127, 146..221, 383..515		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118657	Strand	+
Start	1060	End	4249
Name	OJ000323_03.0419.C26.o1.np	Method	AAT/NAP
Start	1060	End	4246
GI	6907089	Score	4227
Exons	1060..2321, 2419..4246		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118657	Strand	+
Start	1060	End	4249
Name	OJ000323_03.0419.C26.o2.gs	Method	GENSCAN
Start	1060	End	4249
GI	none	Score	.96
Exons	1060..2321, 2419..4249		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118658	Strand	+
Start	11115	End	13055
Name	OJ000323_03.0419.C26.o4.np	Method	AAT/NAP
Start	11115	End	12407

GI	5922623	Score	299
Exons	11115..11195, 11569..11727, 11895..11970, 12194..12407		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118658	Strand	+
Start	11115	End	13055
Name	OJ000323_03.0419.C26.o4.gs	Method	GENSCAN
Start	11822	End	12804
GI	none	Score	.41
Exons	11822..11876, 11895..11970, 12089..12404, 12450..12569, 12663..12804		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118658	Strand	+
Start	11115	End	13055
Name	OJ000323_03.0419.C26.o6.np	Method	AAT/NAP
Start	11977	End	13055
GI	6523547	Score	237
Exons	11977..12205, 12830..13055		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118658	Strand	+
Start	11115	End	13055
Name	OJ000323_03.0419.C26.o5.np	Method	AAT/NAP
Start	12023	End	12148
GI	7523512	Score	113
Exons	12023..12148		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118659	Strand	-
Start	4884	End	13055
Name	OJ000323_03.0419.C26.o3.gs	Method	GENSCAN
Start	4884	End	11608
GI	none	Score	.53
Exons	4884..5451, 5610..8611, 8675..11056, 11112..11321, 11552..11608		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118659	Strand	-
Start	4884	End	13055
Name	OJ000323_03.0419.C26.o2.np	Method	AAT/NAP
Start	4887	End	11038
GI	7228457	Score	9321
Exons	4887..6436, 6503..7654, 7777..8611, 8675..10610, 10672..11038		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118659	Strand	-
Start	4884	End	13055
Name	OJ000323_03.0419.C26.o5.tm	Method	TBLASTX:Maize

Start	4887	End	5027
GI	none	Score	120
Exons	4887..5027, 4888..5022		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118659	Strand	-
Start	4884	End	13055
Name	OJ000323_03.0419.C26.o7.tw	Method	TBLASTX:Wheat
Start	4896	End	5497
GI	none	Score	78
Exons	4896..5021, 4900..5022, 5082..5450, 5207..5458, 5214..5474, 5215..5472, 5467..5496, 5477..5497		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118659	Strand	-
Start	4884	End	13055
Name	OJ000323_03.0419.C26.o4.tw	Method	TBLASTX:Wheat
Start	5498	End	5879
GI	none	Score	168
Exons	5498..5878, 5529..5777, 5624..5875, 5823..5879		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118659	Strand	-
Start	4884	End	13055
Name	OJ000323_03.0419.C26.o2.tm	Method	TBLASTX:Maize
Start	5693	End	6016
GI	none	Score	198
Exons	5693..6016, 5706..5987		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118659	Strand	-
Start	4884	End	13055
Name	OJ000323_03.0419.C26.o8.tw	Method	TBLASTX:Wheat
Start	6209	End	6521
GI	none	Score	80
Exons	6209..6469, 6320..6508, 6345..6521		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118659	Strand	-
Start	4884	End	13055
Name	OJ000323_03.0419.C26.o2.ts	Method	TBLASTX:Soybean
Start	6269	End	6835
GI	5666795	Score	68
Exons	6269..6469, 6524..6661, 6737..6835		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118659	Strand	-
Start	4884	End	13055
Name	OJ000323_03.0419.C26.o5.tw	Method	TBLASTX:Wheat
Start	6524	End	9984
GI	none	Score	92
Exons	6524..6673, 6525..6662, 6720..6893, 6737..6958, 6761..6982, 9931..9984		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118659	Strand	-

Start	4884	End	13055
Name	OJ000323_03.0419.C26.o1.ts	Method	TBLASTX:Soybean
Start	7583	End	7951
GI	none	Score	90
Exons	7583..7951, 7794..7937		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118659	Strand	-
Start	4884	End	13055
Name	OJ000323_03.0419.C26.o2.tw	Method	TBLASTX:Wheat
Start	7608	End	8032
GI	none	Score	283
Exons	7608..7934, 7613..8032		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118659	Strand	-
Start	4884	End	13055
Name	OJ000323_03.0419.C26.o3.tm	Method	TBLASTX:Maize
Start	7706	End	8090
GI	none	Score	166
Exons	7706..8089, 7725..7946, 8004..8090		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118659	Strand	-
Start	4884	End	13055
Name	OJ000323_03.0419.C26.o1.tm	Method	TBLASTX:Maize
Start	8117	End	8473
GI	none	Score	67
Exons	8117..8233, 8117..8473, 8127..8438		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118659	Strand	-
Start	4884	End	13055
Name	OJ000323_03.0419.C26.o1.tw	Method	TBLASTX:Wheat
Start	8141	End	8604
GI	none	Score	392
Exons	8141..8602, 8142..8603, 8161..8604		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118659	Strand	-
Start	4884	End	13055
Name	OJ000323_03.0419.C26.o3.ts	Method	TBLASTX:Soybean
Start	8198	End	8563
GI	none	Score	117
Exons	8198..8332, 8339..8563		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118659	Strand	-
Start	4884	End	13055
Name	OJ000323_03.0419.C26.o3.tw	Method	TBLASTX:Wheat
Start	8768	End	9254
GI	none	Score	175
Exons	8768..9253, 8799..9059, 8825..9253, 9081..9254		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118659	Strand	-
Start	4884	End	13055

Name	OJ000323_03.0419.C26.o6.tw	Method	TBLASTX:Wheat
Start	9992	End	10384
GI	none	Score	79
Exons	9992..10249, 10104..10265, 10232..10330, 10233..10313, 10337..10384		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118659	Strand	-
Start	4884	End	13055
Name	OJ000323_03.0419.C26.o4.tm	Method	TBLASTX:Maize
Start	10094	End	10379
GI	none	Score	85
Exons	10094..10342, 10095..10379		

Seq. No.	56735	Seq. ID	OJ000323_03.0419.C26
Gene No.	118659	Strand	-
Start	4884	End	13055
Name	OJ000323_03.0419.C26.o3.np	Method	AAT/NAP
Start	11268	End	13055
GI	5042454	Score	232
Exons	11268..11321, 11552..11843, 12949..13055		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	56736	Seq. ID	OJ000323_03.0419.C27
Gene No.	118660	Strand	+
Start	110	End	536
Name	OJ000323_03.0419.C27.o1.gs	Method	GENSCAN
Start	110	End	536
GI	none	Score	.73
Exons	110..291, 374..536		

Seq. No.	56736	Seq. ID	OJ000323_03.0419.C27
Gene No.	118661	Strand	+
Start	3879	End	4928
Name	OJ000323_03.0419.C27.o3.gs	Method	GENSCAN
Start	3879	End	4928
GI	none	Score	.83
Exons	3879..4009, 4493..4718, 4863..4928		

Seq. No.	56736	Seq. ID	OJ000323_03.0419.C27
Gene No.	118662	Strand	-
Start	904	End	3206
Name	OJ000323_03.0419.C27.o2.gs	Method	GENSCAN
Start	904	End	3206
GI	none	Score	.87
Exons	904..1005, 1267..1401, 2110..2211, 2856..2947, 3140..3206		

Seq. No.	56737	Seq. ID	OJ000323_03.0419.C28
Gene No.	118663	Strand	+
Start	1715	End	1965
Name	OJ000323_03.0419.C28.o1.gs	Method	GENSCAN
Start	1715	End	1965
GI	none	Score	.72
Exons	1715..1965		

Seq. No.	56737	Seq. ID	OJ000323_03.0419.C28
Gene No.	118664	Strand	-

Start	135	End	477
Name	OJ000323_03.0419.C28.o1.np	Method	AAT/NAP
Start	135	End	477
GI	7510076	Score	81
Exons	135..477		
GI Descrip.	hypothetical protein Y50E8A.i - Caenorhabditis elegans		

Seq. No.	56738	Seq. ID	OJ000323_03.0419.C30
Gene No.	118665	Strand	-
Start	31	End	3086
Name	OJ000323_03.0419.C30.o1.gs	Method	GENSCAN
Start	31	End	3086
GI	none	Score	.62
Exons	31..315, 829..993, 1774..2158, 2283..2358, 3014..3086		

Seq. No.	56739	Seq. ID	OJ000323_03.0419.C33
Gene No.	118666	Strand	-
Start	1417	End	2058
Name	OJ000323_03.0419.C33.o1.gs	Method	GENSCAN
Start	1417	End	2058
GI	none	Score	.95
Exons	1417..2058		

Seq. No.	56740	Seq. ID	OJ000323_03.0419.C34
Gene No.	118667	Strand	+
Start	2008	End	7019
Name	OJ000323_03.0419.C34.o1.gs	Method	GENSCAN
Start	2008	End	7019
GI	none	Score	.52
Exons	2008..2152, 2374..2685, 3063..3089, 4459..4809, 4966..5171, 5563..5868, 5951..6025, 6065..6280, 6460..6543, 6830..7019		

Seq. No.	56741	Seq. ID	OJ000323_03.0419.C35
Gene No.	118668	Strand	+
Start	552	End	611
Name	OJ000323_03.0419.C35.o1.gs	Method	GENSCAN
Start	552	End	611
GI	none	Score	.47
Exons	552..611		

Seq. No.	56741	Seq. ID	OJ000323_03.0419.C35
Gene No.	118669	Strand	-
Start	299	End	594
Name	OJ000323_03.0419.C35.o1.np	Method	AAT/NAP
Start	299	End	594
GI	132809	Score	63
Exons	299..594		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L23 gi|71302|pir||R5WT23 ribosomal protein L23 - wheat chloroplast gi|12370|emb|CAA31328| (X12850) ribosomal protein L23 (AA 1 - 93) [Triticum aestivum] gi|577557|emb|CAA55027| (X78185) large ribosomal protein 23 [Hordeum vulgare]		

Seq. No.	56742	Seq. ID	OJ000303_03.0419.C2
Gene No.	118670	Strand	+
Start	800	End	1751
Name	OJ000303_03.0419.C2.o1.gs	Method	GENSCAN

Start	800	End	1751
GI	none	Score	.53
Exons	800..895, 1737..1751		

Seq. No.	56742	Seq. ID	OJ000303_03.0419.C2
Gene No.	118671	Strand	+
Start	4729	End	10465
Name	OJ000303_03.0419.C2.o1.np	Method	AAT/NAP
Start	4729	End	10465
GI	6437534	Score	545
Exons	4729..4861, 7112..7594, 7696..8380, 10263..10348, 10427..10465		
GI Descrip.	(AC012193) putative phorbol ester / diacylglycerol binding protein [Arabidopsis thaliana]		

Seq. No.	56742	Seq. ID	OJ000303_03.0419.C2
Gene No.	118672	Strand	-
Start	327	End	381
Name	OJ000303_03.0419.C2.o1.gp	Method	AAT/GAP
Start	327	End	381
GI	4963_1.R1084	Score	67
Exons	327..381		
GI Descrip.	'5824411/emb|CAA93107.2| 2.0e-54 (Z68882) Similarity to Bovine inorganic pyrophosphatase (SW:IPYR_BOVIN); cDNA EST EMBL:D66533 comes from this gene; cDNA EST EMBL:D70345 comes from this gene; cDNA EST yk338a8.3 comes from this gene; cDNA EST yk338a8.5 comes '		

Seq. No.	56742	Seq. ID	OJ000303_03.0419.C2
Gene No.	118673	Strand	-
Start	2785	End	4119
Name	OJ000303_03.0419.C2.o2.gs	Method	GENSCAN
Start	2785	End	4119
GI	none	Score	.87
Exons	2785..3483, 3797..3977, 4115..4119		

Seq. No.	56742	Seq. ID	OJ000303_03.0419.C2
Gene No.	118674	Strand	-
Start	8000	End	8517
Name	OJ000303_03.0419.C2.o1.tm	Method	TBLASTX:Maize
Start	2771	End	3003
GI	none	Score	190
Exons	2771..2974, 2779..3003, 2782..3003		

Seq. No.	56742	Seq. ID	OJ000303_03.0419.C2
Gene No.	118674	Strand	-
Start	8000	End	8517
Name	OJ000303_03.0419.C2.o2.gp	Method	AAT/GAP
Start	8000	End	8517
GI	55901_1.R1084	Score	928
Exons	8000..8517		
GI Descrip.	'1504012/dbj|BAA13205| 6.0e-17 (D86969) similar to Human zinc-finger protein, BR140(P1:JC2069) [Homo sapiens] >gi_5805248_gb_AAD51905.1_ (AF127774) unknown [Homo sapiens]'		

Seq. No.	56743	Seq. ID	OJ000303_03.0419.C3
Gene No.	118675	Strand	+
Start	41	End	1773

Name	OJ000303_03.0419.C3.o1.gs	Method	GENSCAN
Start	41	End	1773
GI	none	Score	.83
Exons	41..127, 711..777, 1581..1773		

Seq. No.	56744	Seq. ID	OJ000303_03.0419.C4
Gene No.	118676	Strand	+
Start	1	End	1910
Name	OJ000303_03.0419.C4.o1.np	Method	AAT/NAP
Start	1	End	1910
GI	6437534	Score	339
Exons	1..423, 757..894, 1237..1293, 1595..1658, 1889..1910		
GI Descrip.	(AC012193) putative phorbol ester / diacylglycerol binding protein [Arabidopsis thaliana]		

Seq. No.	56744	Seq. ID	OJ000303_03.0419.C4
Gene No.	118676	Strand	+
Start	1	End	1910
Name	OJ000303_03.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	70	End	1657
GI	none	Score	265
Exons	70..294, 72..293, 369..425, 370..423, 603..656, 610..663, 612..662, 751..894, 756..887, 771..896, 1561..1653, 1589..1654, 1595..1657		

Seq. No.	56744	Seq. ID	OJ000303_03.0419.C4
Gene No.	118676	Strand	+
Start	1	End	1910
Name	OJ000303_03.0419.C4.o1.ts	Method	TBLASTX:Soybean
Start	70	End	294
GI	none	Score	107
Exons	70..153, 204..293, 205..294, 211..294		

Seq. No.	56744	Seq. ID	OJ000303_03.0419.C4
Gene No.	118676	Strand	+
Start	1	End	1910
Name	OJ000303_03.0419.C4.o1.gs	Method	GENSCAN
Start	73	End	1654
GI	none	Score	.63
Exons	73..294, 757..894, 1595..1654		

Seq. No.	56744	Seq. ID	OJ000303_03.0419.C4
Gene No.	118676	Strand	+
Start	1	End	1910
Name	OJ000303_03.0419.C4.o2.ts	Method	TBLASTX:Soybean
Start	598	End	879
GI	none	Score	66
Exons	598..681, 750..875, 750..878, 757..879		

Seq. No.	56745	Seq. ID	OJ000303_03.0419.C5
Gene No.	118677	Strand	+
Start	1	End	297
Name	OJ000303_03.0419.C5.o1.gp	Method	AAT/GAP
Start	1	End	297
GI	none	Score	555
Exons	1..297		

Seq. No.	56745	Seq. ID	OJ000303_03.0419.C5
Gene No.	118678	Strand	+
Start	1030	End	2892
Name	OJ000303_03.0419.C5.o1.gs	Method	GENSCAN
Start	1030	End	2892
GI	none	Score	.89
Exons	1030..1117, 2410..2518, 2766..2892		

Seq. No.	56745	Seq. ID	OJ000303_03.0419.C5
Gene No.	118679	Strand	+
Start	8078	End	10834
Name	OJ000303_03.0419.C5.o2.np	Method	AAT/NAP
Start	8078	End	9734
GI	7248393	Score	75
Exons	8078..8148, 9591..9734		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	56745	Seq. ID	OJ000303_03.0419.C5
Gene No.	118679	Strand	+
Start	8078	End	10834
Name	OJ000303_03.0419.C5.o1.np	Method	AAT/NAP
Start	9387	End	10834
GI	7340868	Score	153
Exons	9387..9594, 10796..10834		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	56745	Seq. ID	OJ000303_03.0419.C5
Gene No.	118680	Strand	+
Start	11985	End	13486
Name	OJ000303_03.0419.C5.o3.np	Method	AAT/NAP
Start	11985	End	13486
GI	7248394	Score	1073
Exons	11985..12908, 13176..13486		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	56745	Seq. ID	OJ000303_03.0419.C5
Gene No.	118681	Strand	-
Start	3332	End	5486
Name	OJ000303_03.0419.C5.o2.gs	Method	GENSCAN
Start	3332	End	5486
GI	none	Score	.49
Exons	3332..3810, 3883..4030, 4044..4394, 4490..4632, 5024..5307, 5407..5486		

Seq. No.	56745	Seq. ID	OJ000303_03.0419.C5
Gene No.	118682	Strand	
Start	12878	End	13444
Name	OJ000303_03.0419.C5.o1.ts	Method	TBLASTX:Soybean
Start	12878	End	13243
GI	none	Score	137
Exons	12878..13102, 13109..13243		

Seq. No.	56745	Seq. ID	OJ000303_03.0419.C5

Gene No.	118682	Strand	
Start	12878	End	13444
Name	OJ000303_03.0419.C5.o1.tw	Method	TBLASTX:Wheat
Start	13040	End	13444
GI	none	Score	81
Exons	13040..13096, 13045..13086, 13091..13444, 13099..13443, 13100..13444		

Seq. No.	56745	Seq. ID	OJ000303_03.0419.C5
Gene No.	118682	Strand	
Start	12878	End	13444
Name	OJ000303_03.0419.C5.o1.tm	Method	TBLASTX:Maize
Start	13094	End	13359
GI	none	Score	340
Exons	13094..13357, 13099..13359, 13099..13359		

Seq. No.	56746	Seq. ID	OJ000303_03.0419.C6
Gene No.	118683	Strand	+
Start	1	End	2195
Name	OJ000303_03.0419.C6.o1.np	Method	AAT/NAP
Start	1	End	1902
GI	4544372	Score	553
Exons	1..33, 696..1902		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	56746	Seq. ID	OJ000303_03.0419.C6
Gene No.	118683	Strand	+
Start	1	End	2195
Name	OJ000303_03.0419.C6.o1.ts	Method	TBLASTX:Soybean
Start	60	End	468
GI	none	Score	143
Exons	60..197, 62..193, 218..304, 219..302, 316..468, 317..460		

Seq. No.	56746	Seq. ID	OJ000303_03.0419.C6
Gene No.	118683	Strand	+
Start	1	End	2195
Name	OJ000303_03.0419.C6.o2.np	Method	AAT/NAP
Start	479	End	2195
GI	629693	Score	547
Exons	479..556, 869..1905, 2151..2195		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	56746	Seq. ID	OJ000303_03.0419.C6
Gene No.	118683	Strand	+
Start	1	End	2195
Name	OJ000303_03.0419.C6.o2.tw	Method	TBLASTX:Wheat
Start	764	End	1153
GI	none	Score	106
Exons	764..925, 959..1066, 1097..1153		

Seq. No.	56746	Seq. ID	OJ000303_03.0419.C6
Gene No.	118683	Strand	+
Start	1	End	2195
Name	OJ000303_03.0419.C6.o1.tm	Method	TBLASTX:Maize
Start	920	End	1300

GI	none	Score	86
Exons	920..1078, 1076..1300		

Seq. No.	56746	Seq. ID	OJ000303_03.0419.C6
Gene No.	118683	Strand	+
Start	1	End	2195
Name	OJ000303_03.0419.C6.o2.ts	Method	TBLASTX:Soybean
Start	923	End	1321
GI	none	Score	232
Exons	923..1321, 1027..1233		

Seq. No.	56746	Seq. ID	OJ000303_03.0419.C6
Gene No.	118683	Strand	+
Start	1	End	2195
Name	OJ000303_03.0419.C6.o1.tw	Method	TBLASTX:Wheat
Start	1481	End	1887
GI	none	Score	127
Exons	1481..1720, 1489..1572, 1671..1853, 1696..1887		

Seq. No.	56746	Seq. ID	OJ000303_03.0419.C6
Gene No.	118683	Strand	+
Start	1	End	2195
Name	OJ000303_03.0419.C6.o3.ts	Method	TBLASTX:Soybean
Start	1693	End	1916
GI	none	Score	208
Exons	1693..1908, 1710..1796, 1723..1902, 1875..1916		

Seq. No.	56747	Seq. ID	OJ000303_03.0419.C7
Gene No.	118684	Strand	+
Start	5498	End	6164
Name	OJ000303_03.0419.C7.o2.gs	Method	GENSCAN
Start	5498	End	6164
GI	none	Score	.67
Exons	5498..5535, 5696..6164		

Seq. No.	56747	Seq. ID	OJ000303_03.0419.C7
Gene No.	118684	Strand	+
Start	5498	End	6164
Name	OJ000303_03.0419.C7.o1.np	Method	AAT/NAP
Start	5806	End	6050
GI	7484611	Score	207
Exons	5806..6050		
GI Descrip.	auxin-induced protein - common ice plant (fragment) gi|2995951|gb|AAC08401.1| (AF053564) auxin-induced protein [Mesembryanthemum crystallinum]		

Seq. No.	56747	Seq. ID	OJ000303_03.0419.C7
Gene No.	118685	Strand	+
Start	6354	End	11025
Name	OJ000303_03.0419.C7.o2.np	Method	AAT/NAP
Start	6354	End	11025
GI	6069646	Score	147
Exons	6354..6382, 10780..11025		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248)		

[Oryza sativa]

Seq. No.	56747	Seq. ID	OJ000303_03.0419.C7
Gene No.	118686	Strand	-
Start	139	End	1872
Name	OJ000303_03.0419.C7.o1.gs	Method	GENSCAN
Start	139	End	1872
GI	none	Score	.75
Exons	139..175, 253..1725, 1822..1872		

Seq. No.	56747	Seq. ID	OJ000303_03.0419.C7
Gene No.	118687	Strand	-
Start	5634	End	5855
Name	OJ000303_03.0419.C7.o1.gp	Method	AAT/GAP
Start	5634	End	5855
GI	LIB3432-023-P1-K1-F6	Score	354
Exons	5634..5855		
GI Descrip.	'3850581 1.0e-26 (AC005278) EST gb_N96383 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	56747	Seq. ID	OJ000303_03.0419.C7
Gene No.	118688	Strand	-
Start	6626	End	9407
Name	OJ000303_03.0419.C7.o3.gs	Method	GENSCAN
Start	6626	End	9407
GI	none	Score	.44
Exons	6626..6718, 8092..8108, 8281..8464, 9402..9407		

Seq. No.	56747	Seq. ID	OJ000303_03.0419.C7
Gene No.	118689	Strand	-
Start	11220	End	16370
Name	OJ000303_03.0419.C7.o3.tm	Method	TBLASTX:Maize
Start	5776	End	6014
GI	none	Score	44
Exons	5776..5844, 5880..5966, 5967..6014		

Seq. No.	56747	Seq. ID	OJ000303_03.0419.C7
Gene No.	118689	Strand	-
Start	11220	End	16370
Name	OJ000303_03.0419.C7.o3.ts	Method	TBLASTX:Soybean
Start	5880	End	6041
GI	none	Score	200
Exons	5880..6041		

Seq. No.	56747	Seq. ID	OJ000303_03.0419.C7
Gene No.	118689	Strand	-
Start	11220	End	16370
Name	OJ000303_03.0419.C7.o3.np	Method	AAT/NAP
Start	11220	End	15891
GI	6069646	Score	96
Exons	11220..11537, 15851..15891		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	56747	Seq. ID	OJ000303_03.0419.C7
Gene No.	118689	Strand	-
Start	11220	End	16370
Name	OJ000303_03.0419.C7.o2.gp	Method	AAT/GAP
Start	13547	End	14752
GI	none	Score	1205
Exons	13547..13891, 14284..14315, 14393..14554, 14645..14752		

Seq. No.	56747	Seq. ID	OJ000303_03.0419.C7
Gene No.	118689	Strand	-
Start	11220	End	16370
Name	OJ000303_03.0419.C7.o2.ts	Method	TBLASTX:Soybean
Start	14255	End	14770
GI	none	Score	66
Exons	14255..14341, 14395..14559, 14396..14461, 14504..14560, 14647..14769, 14648..14770		

Seq. No.	56747	Seq. ID	OJ000303_03.0419.C7
Gene No.	118689	Strand	-
Start	11220	End	16370
Name	OJ000303_03.0419.C7.o4.np	Method	AAT/NAP
Start	14392	End	16370
GI	6552732	Score	878
Exons	14392..14554, 14645..14762, 15695..16370		
GI Descrip.	(AC013482) T26F17.10 [Arabidopsis thaliana]		

Seq. No.	56747	Seq. ID	OJ000303_03.0419.C7
Gene No.	118689	Strand	-
Start	11220	End	16370
Name	OJ000303_03.0419.C7.o2.tc	Method	TBLASTX:Cress
Start	14395	End	14715
GI	none	Score	86
Exons	14395..14574, 14633..14710, 14650..14715		

Seq. No.	56747	Seq. ID	OJ000303_03.0419.C7
Gene No.	118689	Strand	-
Start	11220	End	16370
Name	OJ000303_03.0419.C7.o2.tm	Method	TBLASTX:Maize
Start	14405	End	14731
GI	none	Score	129
Exons	14405..14560, 14406..14552, 14407..14559, 14645..14731, 14647..14730		

Seq. No.	56747	Seq. ID	OJ000303_03.0419.C7
Gene No.	118689	Strand	-
Start	11220	End	16370
Name	OJ000303_03.0419.C7.o1.ts	Method	TBLASTX:Soybean
Start	15738	End	16292
GI	none	Score	54
Exons	15738..15797, 15739..15795, 15795..15917, 15796..15909, 15939..16292, 16048..16290		

Seq. No.	56747	Seq. ID	OJ000303_03.0419.C7
Gene No.	118689	Strand	-
Start	11220	End	16370
Name	OJ000303_03.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	15828	End	16302

GI	none	Score	132
Exons	15828..16301, 15829..15966, 16048..16302		

Seq. No.	56747	Seq. ID	OJ000303_03.0419.C7
Gene No.	118689	Strand	-
Start	11220	End	16370
Name	OJ000303_03.0419.C7.o1.tc	Method	TBLASTX:Cress
Start	16059	End	16292
GI	none	Score	230
Exons	16059..16292		

Seq. No.	56748	Seq. ID	OJ000303_03.0419.C8
Gene No.	118690	Strand	+
Start	1086	End	2357
Name	OJ000303_03.0419.C8.o1.gs	Method	GENSCAN
Start	1086	End	2357
GI	none	Score	.65
Exons	1086..1127, 1457..1608, 2294..2357		

Seq. No.	56748	Seq. ID	OJ000303_03.0419.C8
Gene No.	118691	Strand	+
Start	7868	End	9127
Name	OJ000303_03.0419.C8.o4.gs	Method	GENSCAN
Start	7868	End	9127
GI	none	Score	.42
Exons	7868..8330, 9024..9127		

Seq. No.	56748	Seq. ID	OJ000303_03.0419.C8
Gene No.	118692	Strand	+
Start	9226	End	10278
Name	OJ000303_03.0419.C8.o1.np	Method	AAT/NAP
Start	9226	End	10278
GI	7363272	Score	263
Exons	9226..9313, 10073..10278		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	56748	Seq. ID	OJ000303_03.0419.C8
Gene No.	118693	Strand	-
Start	3648	End	4924
Name	OJ000303_03.0419.C8.o2.gs	Method	GENSCAN
Start	3648	End	4924
GI	none	Score	.85
Exons	3648..3662, 4571..4924		

Seq. No.	56748	Seq. ID	OJ000303_03.0419.C8
Gene No.	118694	Strand	-
Start	6688	End	7101
Name	OJ000303_03.0419.C8.o3.gs	Method	GENSCAN
Start	6688	End	7101
GI	none	Score	.7
Exons	6688..7101		

Seq. No.	56749	Seq. ID	OJ000303_03.0419.C9
Gene No.	118695	Strand	+
Start	1	End	8072
Name	OJ000303_03.0419.C9.o1.np	Method	AAT/NAP
Start	1	End	8072

GI	1255448	Score	479
Exons	1..99, 3904..4304, 4471..4555, 4720..4782, 4928..5086, 5270..5342, 5466..5531, 6894..7001, 7076..7239, 8024..8072		
GI Descrip.	(D50468) mitogen-activated protein kinase [Arabidopsis thaliana]		

Seq. No.	56749	Seq. ID	OJ000303_03.0419.C9
Gene No.	118695	Strand	+
Start	1	End	8072
Name	OJ000303_03.0419.C9.o1.gs	Method	GENSCAN
Start	111	End	5074
GI	none	Score	.81
Exons	111..161, 1309..1384, 1928..2013, 2223..2369, 2549..2608, 3194..3222, 3900..4304, 4471..4555, 4928..5074		

Seq. No.	56749	Seq. ID	OJ000303_03.0419.C9
Gene No.	118696	Strand	+
Start	8035	End	8335
Name	OJ000303_03.0419.C9.o3.gs	Method	GENSCAN
Start	8035	End	8335
GI	none	Score	.93
Exons	8035..8335		

Seq. No.	56749	Seq. ID	OJ000303_03.0419.C9
Gene No.	118697	Strand	-
Start	5683	End	7240
Name	OJ000303_03.0419.C9.o1.tc	Method	TBLASTX:Cress
Start	4940	End	7240
GI	none	Score	76
Exons	4940..5023, 5007..5063, 5267..5344, 5268..5342, 5278..5343, 5487..5531, 6915..6992, 6917..6991, 7076..7240, 7093..7239		

Seq. No.	56749	Seq. ID	OJ000303_03.0419.C9
Gene No.	118697	Strand	-
Start	5683	End	7240
Name	OJ000303_03.0419.C9.o1.ts	Method	TBLASTX:Soybean
Start	5267	End	7234
GI	none	Score	97
Exons	5267..5362, 5268..5342, 5272..5346, 5477..5527, 6915..6992, 7076..7234		

Seq. No.	56749	Seq. ID	OJ000303_03.0419.C9
Gene No.	118697	Strand	-
Start	5683	End	7240
Name	OJ000303_03.0419.C9.o1.tm	Method	TBLASTX:Maize
Start	5487	End	7234
GI	none	Score	78
Exons	5487..5531, 6908..6991, 6914..6988, 6915..7007, 6916..7008, 7079..7234		

Seq. No.	56749	Seq. ID	OJ000303_03.0419.C9
Gene No.	118697	Strand	-
Start	5683	End	7240
Name	OJ000303_03.0419.C9.o2.gs	Method	GENSCAN
Start	5683	End	7025
GI	none	Score	.63
Exons	5683..6121, 6711..6784, 6825..7025		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118698	Strand	+
Start	96	End	2810
Name	OJ000303_03.0419.C10.o1.gs	Method	GENSCAN
Start	96	End	2810
GI	none	Score	.76
Exons	96..370, 916..1000, 1111..1173, 1439..1515, 1641..1716, 1803..1862, 2159..2263, 2631..2810		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118699	Strand	-
Start	3566	End	5173
Name	OJ000303_03.0419.C10.o1.np	Method	AAT/NAP
Start	3566	End	5173
GI	6850304	Score	1091
Exons	3566..3628, 3743..5173		
GI Descrip.	(AC009999) Contains similarity to a hypothetical protein from Arabidopsis thaliana gb|AC007109.6, and contains two DUF17 PF|01535 domains.		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118700	Strand	-
Start	5729	End	9429
Name	OJ000303_03.0419.C10.o1.gp	Method	AAT/GAP
Start	5729	End	7452
GI	3678_1.R1084	Score	1006
Exons	5729..6047, 6598..6672, 6888..6961, 7361..7452		
GI Descrip.	'2511594/emb|CAA74028.1| 3.0e-35 (Y13694) multicatalytic endopeptidase complex, proteasome precursor, beta subunit [Arabidopsis thaliana] >gi_2827525_emb_CAA16533.1_ (AL021633) multicatalytic endopeptidase complex, proteasome precursor, beta subunit [Arabidopsis thaliana] >gi_3421099 (AF043529) 20S proteasome subunit PBA1 [Arabidopsis thaliana]'		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118700	Strand	-
Start	5729	End	9429
Name	OJ000303_03.0419.C10.o2.np	Method	AAT/NAP
Start	5919	End	9083
GI	7435895	Score	763
Exons	5919..6047, 6598..6672, 6888..6961, 7361..7472, 7657..7729, 7855..7910, 8227..8303, 8981..9083		
GI Descrip.	multicatalytic endopeptidase complex (EC 3.4.99.46) beta chain - Arabidopsis thaliana gi|2511594|emb|CAA74028.1| (Y13694) multicatalytic endopeptidase complex, proteasome precursor, beta subunit [Arabidopsis thaliana] gi|2827525|emb|CAA16533.1| (AL021633) multicatalytic endopeptidase complex, proteasome precursor, beta subunit [Arabidopsis thaliana] gi|3421099|gb|AAC32065.1		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118700	Strand	-
Start	5729	End	9429
Name	OJ000303_03.0419.C10.o2.gp	Method	AAT/GAP
Start	7645	End	9429
GI	7094_1.R1084	Score	752
Exons	7645..7729, 7855..7910, 8227..8303, 8981..9219, 9375..9429		

GI Descrip.	'3024440/sp|P93395|PRCD_TOBAC 2.0e-37 PROTEASOME DELTA CHAIN PRECURSOR (MULTICATALYTIC ENDOPEPTIDASE COMPLEX DELTA CHAIN) >gi_1743356_emb_CAA70699_ (Y09505) proteasome delta subunit [Nicotiana tabacum]'		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118701	Strand	-
Start	11234	End	14450
Name	OJ000303_03.0419.C10.o3.gs	Method	GENSCAN
Start	11234	End	14450
GI	none	Score	.78
Exons	11234..11401, 11644..12219, 12424..12480, 12993..13350, 13812..13909, 14068..14283, 14301..14450		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118702	Strand	-
Start	14784	End	16807
Name	OJ000303_03.0419.C10.o3.gp	Method	AAT/GAP
Start	14784	End	16807
GI	uC-osrocyp031e01b1	Score	520
Exons	14784..15001, 16683..16807		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118703	Strand	-
Start	19135	End	20760
Name	OJ000303_03.0419.C10.o3.tm	Method	TBLASTX:Maize
Start	234	End	1719
GI	none	Score	114
Exons	234..371, 272..370, 917..997, 931..1005, 1108..1173, 1109..1192, 1355..1522, 1355..1507, 1357..1524, 1632..1715, 1633..1719		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118703	Strand	-
Start	19135	End	20760
Name	OJ000303_03.0419.C10.o2.tc	Method	TBLASTX:Cress
Start	296	End	2807
GI	none	Score	91
Exons	296..358, 300..368, 917..997, 1111..1173, 1355..1522, 1357..1491, 1630..1713, 1633..1710, 1638..1715, 1785..1865, 1788..1865, 1790..1867, 2177..2260, 2186..2278, 2636..2785, 2637..2807, 2694..2786		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118703	Strand	-
Start	19135	End	20760
Name	OJ000303_03.0419.C10.o2.ts	Method	TBLASTX:Soybean
Start	1120	End	1692
GI	none	Score	70
Exons	1120..1170, 1340..1522, 1357..1503, 1632..1691, 1633..1692		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118703	Strand	-
Start	19135	End	20760
Name	OJ000303_03.0419.C10.o3.tc	Method	TBLASTX:Cress
Start	3713	End	4151

GI	none	Score	106
Exons	3713..4147, 3744..3911, 4008..4151		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118703	Strand	-
Start	19135	End	20760
Name	OJ000303_03.0419.C10.o2.tm	Method	TBLASTX:Maize
Start	3728	End	4795
GI	none	Score	191
Exons	3728..4573, 4011..4616, 4238..4579, 4272..4592, 4328..4669, 4469..4711, 4673..4795		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118703	Strand	-
Start	19135	End	20760
Name	OJ000303_03.0419.C10.o1.ts	Method	TBLASTX:Soybean
Start	3743	End	4279
GI	none	Score	78
Exons	3743..4279, 3744..3926		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118703	Strand	-
Start	19135	End	20760
Name	OJ000303_03.0419.C10.o1.tw	Method	TBLASTX:Wheat
Start	4134	End	4972
GI	none	Score	122
Exons	4134..4343, 4136..4609, 4377..4574, 4526..4717, 4931..4972		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118703	Strand	-
Start	19135	End	20760
Name	OJ000303_03.0419.C10.o1.tc	Method	TBLASTX:Cress
Start	4160	End	4864
GI	none	Score	68
Exons	4160..4267, 4184..4411, 4274..4864, 4275..4436, 4283..4564, 4494..4835, 4499..4573		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118703	Strand	-
Start	19135	End	20760
Name	OJ000303_03.0419.C10.o3.ts	Method	TBLASTX:Soybean
Start	4283	End	4786
GI	none	Score	108
Exons	4283..4420, 4340..4717, 4500..4718, 4679..4786		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118703	Strand	-
Start	19135	End	20760
Name	OJ000303_03.0419.C10.o4.tm	Method	TBLASTX:Maize
Start	5902	End	6954
GI	none	Score	140
Exons	5902..6036, 5904..6047, 5904..6047, 6589..6675, 6590..6673, 6595..6675, 6885..6950, 6888..6953, 6889..6954		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118703	Strand	-
Start	19135	End	20760

Name	OJ000303_03.0419.C10.o4.tc	Method	TBLASTX:Cress
Start	5916	End	6947
GI	none	Score	87
Exons	5916..6047, 5917..6036, 5925..6038, 6589..6675, 6593..6670, 6888..6947		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118703	Strand	-
Start	19135	End	20760
Name	OJ000303_03.0419.C10.o2.tw	Method	TBLASTX:Wheat
Start	6907	End	8289
GI	none	Score	68
Exons	6907..6963, 6909..6971, 7359..7475, 7360..7470, 7657..7755, 7657..7728, 7854..7910, 7855..7911, 8221..8289, 8227..8289		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118703	Strand	-
Start	19135	End	20760
Name	OJ000303_03.0419.C10.o5.tm	Method	TBLASTX:Maize
Start	7357	End	9102
GI	none	Score	214
Exons	7357..7473, 7359..7475, 7360..7473, 7594..7728, 7657..7728, 7658..7732, 7658..7729, 7853..7909, 7854..7910, 7855..7911, 8221..8304, 8226..8303, 8227..8304, 8228..8305, 8963..8998, 8976..9101, 8977..9102, 8983..9102		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118703	Strand	-
Start	19135	End	20760
Name	OJ000303_03.0419.C10.o1.tm	Method	TBLASTX:Maize
Start	11350	End	12492
GI	none	Score	106
Exons	11350..11469, 11350..11460, 11354..11467, 11367..11468, 11567..11596, 11591..11914, 11599..12009, 11600..11911, 11602..12003, 12113..12217, 12114..12218, 12115..12219, 12116..12220, 12293..12334, 12295..12345, 12412..12492		

Seq. No.	56750	Seq. ID	OJ000303_03.0419.C10
Gene No.	118703	Strand	-
Start	19135	End	20760
Name	OJ000303_03.0419.C10.o3.np	Method	AAT/NAP
Start	19135	End	20760
GI	6539588	Score	190
Exons	19135..19254, 20458..20760		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	56751	Seq. ID	OJ000303_03.0419.C11
Gene No.	118704	Strand	-
Start	523	End	3685
Name	OJ000303_03.0419.C11.o1.gs	Method	GENSCAN
Start	523	End	3685
GI	none	Score	.69
Exons	523..676, 747..1084, 1350..1919, 2001..2176, 2951..3181, 3504..3623, 3628..3685		

Seq. No.	56751	Seq. ID	OJ000303_03.0419.C11
Gene No.	118704	Strand	-

Start	523	End	3685
Name	OJ000303_03.0419.C11.o2.np	Method	AAT/NAP
Start	1631	End	3207
GI	6539588	Score	158
Exons	1631..1669, 2938..3207		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	56752	Seq. ID	OJ000303_03.0419.C12
Gene No.	118705	Strand	+
Start	428	End	836
Name	OJ000303_03.0419.C12.o1.gs	Method	GENSCAN
Start	428	End	836
GI	none	Score	.78
Exons	428..474, 674..836		

Seq. No.	56752	Seq. ID	OJ000303_03.0419.C12
Gene No.	118706	Strand	+
Start	2191	End	5314
Name	OJ000303_03.0419.C12.o2.gs	Method	GENSCAN
Start	2191	End	5314
GI	none	Score	.9
Exons	2191..2204, 2615..3164, 3329..3478, 3724..4161, 4264..4377, 4482..5037, 5259..5314		

Seq. No.	56752	Seq. ID	OJ000303_03.0419.C12
Gene No.	118706	Strand	+
Start	2191	End	5314
Name	OJ000303_03.0419.C12.o1.np	Method	AAT/NAP
Start	2670	End	4790
GI	6715734	Score	419
Exons	2670..2951, 3329..3478, 3783..4010, 4114..4161, 4264..4377, 4482..4790		
GI Descrip.	(AC016447) putative DNA binding protein [Arabidopsis thaliana]		

Seq. No.	56752	Seq. ID	OJ000303_03.0419.C12
Gene No.	118707	Strand	-
Start	6952	End	7056
Name	OJ000303_03.0419.C12.o1.tw	Method	TBLASTX:Wheat
Start	4230	End	4553
GI	none	Score	136
Exons	4230..4379, 4251..4379, 4264..4380, 4270..4380, 4463..4552, 4479..4553		

Seq. No.	56752	Seq. ID	OJ000303_03.0419.C12
Gene No.	118707	Strand	-
Start	6952	End	7056
Name	OJ000303_03.0419.C12.o1.tc	Method	TBLASTX:Cress
Start	4263	End	4553
GI	none	Score	64
Exons	4263..4361, 4263..4379, 4264..4380, 4463..4552, 4479..4553		

Seq. No.	56752	Seq. ID	OJ000303_03.0419.C12
Gene No.	118707	Strand	-
Start	6952	End	7056
Name	OJ000303_03.0419.C12.o1.ts	Method	TBLASTX:Soybean
Start	4263	End	4553
GI	none	Score	207

Exons	4263..4379, 4264..4380, 4264..4398, 4445..4552, 4479..4553		
Seq. No.	56752	Seq. ID	OJ000303_03.0419.C12
Gene No.	118707	Strand	-
Start	6952	End	7056
Name	OJ000303_03.0419.C12.o1.tm	Method	TBLASTX:Maize
Start	4264	End	4553
GI	none	Score	181
Exons	4264..4407, 4266..4427, 4508..4552, 4509..4553		
Seq. No.	56752	Seq. ID	OJ000303_03.0419.C12
Gene No.	118707	Strand	-
Start	6952	End	7056
Name	OJ000303_03.0419.C12.o3.gs	Method	GENSCAN
Start	6952	End	7056
GI	none	Score	.61
Exons	6952..7056		
Seq. No.	56753	Seq. ID	OJ000303_03.0419.C13
Gene No.	118708	Strand	+
Start	328	End	443
Name	OJ000303_03.0419.C13.o1.gp	Method	AAT/GAP
Start	328	End	443
GI	571821	Score	203
Exons	328..443		
Seq. No.	56753	Seq. ID	OJ000303_03.0419.C13
Gene No.	118709	Strand	-
Start	380	End	1864
Name	OJ000303_03.0419.C13.o1.gs	Method	GENSCAN
Start	380	End	1864
GI	none	Score	.52
Exons	380..561, 1799..1864		
Seq. No.	56754	Seq. ID	OJ000303_03.0419.C14
Gene No.	118710	Strand	+
Start	1	End	823
Name	OJ000303_03.0419.C14.o1.np	Method	AAT/NAP
Start	1	End	823
GI	6553882	Score	404
Exons	1..58, 104..823		
GI Descrip.	(AC012563) unknown protein [Arabidopsis thaliana]		
Seq. No.	56754	Seq. ID	OJ000303_03.0419.C14
Gene No.	118711	Strand	-
Start	1701	End	2764
Name	OJ000303_03.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	1	End	435
GI	none	Score	179
Exons	1..126, 3..125, 129..431, 130..432, 130..435		
Seq. No.	56754	Seq. ID	OJ000303_03.0419.C14
Gene No.	118711	Strand	-
Start	1701	End	2764
Name	OJ000303_03.0419.C14.o1.ts	Method	TBLASTX:Soybean
Start	1	End	387
GI	none	Score	95

Exons	1..57, 3..56, 129..359, 130..387		
Seq. No.	56754	Seq. ID	OJ000303_03.0419.C14
Gene No.	118711	Strand	-
Start	1701	End	2764
Name	OJ000303_03.0419.C14.o1.tc	Method	TBLASTX:Cress
Start	3	End	435
GI	none	Score	70
Exons	3..83, 4..81, 147..434, 148..435		
Seq. No.	56754	Seq. ID	OJ000303_03.0419.C14
Gene No.	118711	Strand	-
Start	1701	End	2764
Name	OJ000303_03.0419.C14.o3.tm	Method	TBLASTX:Maize
Start	505	End	748
GI	none	Score	267
Exons	505..696, 508..747, 515..748		
Seq. No.	56754	Seq. ID	OJ000303_03.0419.C14
Gene No.	118711	Strand	-
Start	1701	End	2764
Name	OJ000303_03.0419.C14.o1.tw	Method	TBLASTX:Wheat
Start	520	End	910
GI	none	Score	134
Exons	520..645, 551..646, 637..822, 637..825, 638..826, 836..910, 836..901, 837..902		
Seq. No.	56754	Seq. ID	OJ000303_03.0419.C14
Gene No.	118711	Strand	-
Start	1701	End	2764
Name	OJ000303_03.0419.C14.o2.np	Method	AAT/NAP
Start	1701	End	2764
GI	416716	Score	244
Exons	1701..1858, 1965..2244, 2490..2764		
GI Descrip.	CELL DIVISION-ASSOCIATED PROTEIN BIMB gi|322992|pir||A42854 probable spindle pole body component bimB - Emericella nidulans		
Seq. No.	56754	Seq. ID	OJ000303_03.0419.C14
Gene No.	118711	Strand	-
Start	1701	End	2764
Name	OJ000303_03.0419.C14.o2.tm	Method	TBLASTX:Maize
Start	1939	End	2224
GI	none	Score	247
Exons	1939..2205, 1939..2166, 1941..2207, 1965..2219, 2024..2224		
Seq. No.	56755	Seq. ID	OJ000303_03.0419.C18
Gene No.	118712	Strand	+
Start	657	End	4816
Name	OJ000303_03.0419.C18.o1.gs	Method	GENSCAN
Start	657	End	3893
GI	none	Score	.76
Exons	657..1202, 1452..1763, 1850..2320, 2600..2711, 3451..3893		
Seq. No.	56755	Seq. ID	OJ000303_03.0419.C18
Gene No.	118712	Strand	+
Start	657	End	4816
Name	OJ000303_03.0419.C18.o1.np	Method	AAT/NAP

Start	1461	End	4816
GI	4680199	Score	837
Exons	1461..1754, 1804..2361, 2683..3365, 3451..3568, 3737..3879, 4685..4816		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	56755	Seq. ID	OJ000303_03.0419.C18
Gene No.	118713	Strand	-
Start	4466	End	4780
Name	OJ000303_03.0419.C18.o3.tm	Method	TBLASTX:Maize
Start	1578	End	1774
GI	none	Score	226
Exons	1578..1763, 1587..1754, 1589..1774, 1589..1768		

Seq. No.	56755	Seq. ID	OJ000303_03.0419.C18
Gene No.	118713	Strand	-
Start	4466	End	4780
Name	OJ000303_03.0419.C18.o2.tm	Method	TBLASTX:Maize
Start	2099	End	2365
GI	none	Score	304
Exons	2099..2365, 2099..2341, 2164..2364		

Seq. No.	56755	Seq. ID	OJ000303_03.0419.C18
Gene No.	118713	Strand	-
Start	4466	End	4780
Name	OJ000303_03.0419.C18.o4.tm	Method	TBLASTX:Maize
Start	2878	End	3118
GI	none	Score	151
Exons	2878..3027, 2879..3052, 2891..3034, 2922..3053, 3050..3118		

Seq. No.	56755	Seq. ID	OJ000303_03.0419.C18
Gene No.	118713	Strand	-
Start	4466	End	4780
Name	OJ000303_03.0419.C18.o1.tw	Method	TBLASTX:Wheat
Start	3002	End	3367
GI	none	Score	268
Exons	3002..3367, 3061..3159, 3223..3312		

Seq. No.	56755	Seq. ID	OJ000303_03.0419.C18
Gene No.	118713	Strand	-
Start	4466	End	4780
Name	OJ000303_03.0419.C18.o1.ts	Method	TBLASTX:Soybean
Start	3113	End	3599
GI	none	Score	170
Exons	3113..3373, 3450..3542, 3555..3599		

Seq. No.	56755	Seq. ID	OJ000303_03.0419.C18
Gene No.	118713	Strand	-
Start	4466	End	4780
Name	OJ000303_03.0419.C18.o1.tm	Method	TBLASTX:Maize
Start	3121	End	3653
GI	none	Score	212
Exons	3121..3324, 3122..3334, 3441..3653, 3461..3649		

Seq. No.	56755	Seq. ID	OJ000303_03.0419.C18
Gene No.	118713	Strand	-
Start	4466	End	4780

Name	OJ000303_03.0419.C18.o2.gs	Method	GENSCAN
Start	4466	End	4780
GI	none	Score	.69
Exons	4466..4780		

Seq. No.	56756	Seq. ID	OJ000223_05.0419.C2
Gene No.	118714	Strand	+
Start	1593	End	3285
Name	OJ000223_05.0419.C2.o1.gs	Method	GENSCAN
Start	1593	End	3285
GI	none	Score	.96
Exons	1593..1739, 1955..2006, 3035..3285		

Seq. No.	56756	Seq. ID	OJ000223_05.0419.C2
Gene No.	118715	Strand	+
Start	3834	End	4190
Name	OJ000223_05.0419.C2.o2.gs	Method	GENSCAN
Start	3834	End	4190
GI	none	Score	1
Exons	3834..4190		

Seq. No.	56756	Seq. ID	OJ000223_05.0419.C2
Gene No.	118716	Strand	-
Start	2805	End	3072
Name	OJ000223_05.0419.C2.o1.gp	Method	AAT/GAP
Start	2805	End	3072
GI	5056129	Score	516
Exons	2805..3072		

Seq. No.	56756	Seq. ID	OJ000223_05.0419.C2
Gene No.	118717	Strand	-
Start	3150	End	6026
Name	OJ000223_05.0419.C2.o1.tm	Method	TBLASTX:Maize
Start	3111	End	4970
GI	none	Score	294
Exons	3111..3188, 3888..4139, 3901..4128, 4806..4970, 4843..4968		

Seq. No.	56756	Seq. ID	OJ000223_05.0419.C2
Gene No.	118717	Strand	-
Start	3150	End	6026
Name	OJ000223_05.0419.C2.o1.tw	Method	TBLASTX:Wheat
Start	3130	End	4844
GI	none	Score	59
Exons	3130..3189, 3132..3188, 3888..4139, 3901..4140, 4806..4844		

Seq. No.	56756	Seq. ID	OJ000223_05.0419.C2
Gene No.	118717	Strand	-
Start	3150	End	6026
Name	OJ000223_05.0419.C2.o1.np	Method	AAT/NAP
Start	3150	End	5431
GI	7523696	Score	630
Exons	3150..3245, 3825..4130, 4809..4970, 5104..5236, 5364..5431		
GI Descrip.	(AC011001) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56756	Seq. ID	OJ000223_05.0419.C2
Gene No.	118717	Strand	-
Start	3150	End	6026

Name	OJ000223_05.0419.C2.o1.ts	Method	TBLASTX:Soybean
Start	3879	End	5974
GI	none	Score	221
Exons	3879..4130, 3901..4131, 4018..4131, 4821..4970, 4849..4968, 5098..5238, 5105..5206, 5337..5432, 5366..5434, 5366..5434, 5502..5699, 5514..5693, 5518..5700, 5877..5972, 5894..5974		

Seq. No.	56756	Seq. ID	OJ000223_05.0419.C2
Gene No.	118717	Strand	-
Start	3150	End	6026
Name	OJ000223_05.0419.C2.o2.tc	Method	TBLASTX:Cress
Start	3885	End	4053
GI	none	Score	149
Exons	3885..4052, 3889..4053		

Seq. No.	56756	Seq. ID	OJ000223_05.0419.C2
Gene No.	118717	Strand	-
Start	3150	End	6026
Name	OJ000223_05.0419.C2.o2.gp	Method	AAT/GAP
Start	4097	End	5257
GI	428465	Score	598
Exons	4097..4130, 4809..4970, 5104..5257		
GI Descrip.	4538911/emb|CAB39648.1| 4.0e-18 (AL049482) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56756	Seq. ID	OJ000223_05.0419.C2
Gene No.	118717	Strand	-
Start	3150	End	6026
Name	OJ000223_05.0419.C2.o3.gs	Method	GENSCAN
Start	4756	End	6004
GI	none	Score	.51
Exons	4756..4981, 5120..5236, 5364..5431, 5448..5746, 5875..6004		

Seq. No.	56756	Seq. ID	OJ000223_05.0419.C2
Gene No.	118717	Strand	-
Start	3150	End	6026
Name	OJ000223_05.0419.C2.o2.tm	Method	TBLASTX:Maize
Start	5128	End	5992
GI	none	Score	161
Exons	5128..5238, 5129..5239, 5156..5257, 5328..5432, 5364..5432, 5365..5433, 5365..5433, 5366..5434, 5366..5434, 5502..5537, 5506..5700, 5515..5697, 5586..5699, 5877..5990, 5877..5945, 5878..5973, 5891..5992		

Seq. No.	56756	Seq. ID	OJ000223_05.0419.C2
Gene No.	118717	Strand	-
Start	3150	End	6026
Name	OJ000223_05.0419.C2.o1.tc	Method	TBLASTX:Cress
Start	5387	End	5974
GI	none	Score	62
Exons	5387..5434, 5387..5434, 5502..5699, 5514..5681, 5518..5700, 5877..5969, 5894..5974		

Seq. No.	56756	Seq. ID	OJ000223_05.0419.C2
Gene No.	118717	Strand	-
Start	3150	End	6026
Name	OJ000223_05.0419.C2.o3.gp	Method	AAT/GAP

Start	5559	End	6026
GI	702313	Score	459
Exons	5559..5698, 5875..6026		
GI Descrip.	1946372 1.0e-16 (U93215) yeast hypothetical protein YDB1_SCHPO isolog [Arabidopsis thaliana]		

Seq. No.	56757	Seq. ID	OJ000223_05.0419.C3
Gene No.	118718	Strand	-
Start	799	End	927
Name	OJ000223_05.0419.C3.o1.gp	Method	AAT/GAP
Start	799	End	927
GI	702313	Score	216
Exons	799..927		
GI Descrip.	1946372 1.0e-16 (U93215) yeast hypothetical protein YDB1_SCHPO isolog [Arabidopsis thaliana]		

Seq. No.	56758	Seq. ID	OJ000223_05.0419.C4
Gene No.	118719	Strand	-
Start	1	End	233
Name	OJ000223_05.0419.C4.o1.gp	Method	AAT/GAP
Start	1	End	233
GI	2312021	Score	200
Exons	1..47, 171..233		

Seq. No.	56758	Seq. ID	OJ000223_05.0419.C4
Gene No.	118720	Strand	-
Start	171	End	2451
Name	OJ000223_05.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	1	End	1495
GI	none	Score	57
Exons	1..51, 3..53, 171..308, 172..300, 173..301, 1385..1495, 1388..1471		

Seq. No.	56758	Seq. ID	OJ000223_05.0419.C4
Gene No.	118720	Strand	-
Start	171	End	2451
Name	OJ000223_05.0419.C4.o1.gs	Method	GENSCAN
Start	171	End	2451
GI	none	Score	.85
Exons	171..301, 1387..1494, 1704..1819, 1962..2133, 2254..2300, 2335..2451		

Seq. No.	56759	Seq. ID	OJ000223_05.0419.C5
Gene No.	118721	Strand	+
Start	5807	End	6892
Name	OJ000223_05.0419.C5.o2.gs	Method	GENSCAN
Start	5807	End	6892
GI	none	Score	.42
Exons	5807..5887, 5949..6210, 6452..6565, 6795..6892		

Seq. No.	56759	Seq. ID	OJ000223_05.0419.C5
Gene No.	118722	Strand	+
Start	7443	End	9623
Name	OJ000223_05.0419.C5.o3.gs	Method	GENSCAN
Start	7443	End	9623
GI	none	Score	.57
Exons	7443..7574, 9124..9301, 9595..9623		

Seq. No.	56759	Seq. ID	OJ000223_05.0419.C5
Gene No.	118723	Strand	-
Start	1	End	4410
Name	OJ000223_05.0419.C5.o1.gp	Method	AAT/GAP
Start	1	End	246
GI	LIB3431-003-P1-K1-D8	Score	464
Exons	1..246		
GI Descrip.	'3821780/emb|AJ009303.1|XLAJ9303 1.0e-10 Xenopus laevis cDNA clone 27A6-1'		

Seq. No.	56759	Seq. ID	OJ000223_05.0419.C5
Gene No.	118723	Strand	-
Start	1	End	4410
Name	OJ000223_05.0419.C5.o1.gs	Method	GENSCAN
Start	9	End	4389
GI	none	Score	.74
Exons	9..165, 189..274, 367..510, 600..701, 3137..3167, 3369..3466, 3767..3883, 4288..4389		

Seq. No.	56759	Seq. ID	OJ000223_05.0419.C5
Gene No.	118723	Strand	-
Start	1	End	4410
Name	OJ000223_05.0419.C5.o1.np	Method	AAT/NAP
Start	172	End	4410
GI	6729496	Score	671
Exons	172..249, 367..510, 600..670, 1096..1195, 3137..3167, 3369..3466, 4288..4410		
GI Descrip.	(AL132966) putative protein [Arabidopsis thaliana]		

Seq. No.	56759	Seq. ID	OJ000223_05.0419.C5
Gene No.	118724	Strand	-
Start	10607	End	10695
Name	OJ000223_05.0419.C5.o1.ts	Method	TBLASTX:Soybean
Start	199	End	1187
GI	none	Score	114
Exons	199..255, 367..510, 392..511, 597..671, 598..690, 1094..1186, 1095..1187		

Seq. No.	56759	Seq. ID	OJ000223_05.0419.C5
Gene No.	118724	Strand	-
Start	10607	End	10695
Name	OJ000223_05.0419.C5.o1.tw	Method	TBLASTX:Wheat
Start	202	End	516
GI	none	Score	106
Exons	202..252, 364..516, 392..511		

Seq. No.	56759	Seq. ID	OJ000223_05.0419.C5
Gene No.	118724	Strand	-
Start	10607	End	10695
Name	OJ000223_05.0419.C5.o1.tc	Method	TBLASTX:Cress
Start	322	End	690
GI	none	Score	125
Exons	322..510, 392..511, 597..671, 598..690		

Seq. No.	56759	Seq. ID	OJ000223_05.0419.C5
Gene No.	118724	Strand	-

Start	10607	End	10695
Name	OJ000223_05.0419.C5.o1.tm	Method	TBLASTX:Maize
Start	367	End	681
GI	none	Score	72
Exons	367..510, 392..511, 597..674, 598..681		

Seq. No.	56759	Seq. ID	OJ000223_05.0419.C5
Gene No.	118724	Strand	-
Start	10607	End	10695
Name	OJ000223_05.0419.C5.o4.gs	Method	GENSCAN
Start	10607	End	10695
GI	none	Score	.58
Exons	10607..10695		

Seq. No.	56760	Seq. ID	OJ000223_05.0419.C6
Gene No.	118725	Strand	+
Start	618	End	721
Name	OJ000223_05.0419.C6.o1.gs	Method	GENSCAN
Start	618	End	721
GI	none	Score	.4
Exons	618..721		

Seq. No.	56761	Seq. ID	OJ000223_05.0419.C8
Gene No.	118726	Strand	-
Start	1	End	344
Name	OJ000223_05.0419.C8.o1.gp	Method	AAT/GAP
Start	1	End	344
GI	LIB3432-009-P1-K1-D9	Score	657
Exons	1..344		
GI Descrip.	'1946372 1.0e-16 (U93215) yeast hypothetical protein YDB1_SCHPO isolog [Arabidopsis thaliana]'		

Seq. No.	56761	Seq. ID	OJ000223_05.0419.C8
Gene No.	118727	Strand	-
Start	2194	End	8047
Name	OJ000223_05.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	2006	End	3789
GI	none	Score	64
Exons	2006..2455, 2174..2512, 2276..2512, 2506..2757, 2518..2970, 2533..2874, 2605..2898, 2695..3012, 2800..3018, 3028..3507, 3169..3612, 3223..3642, 3395..3538, 3652..3789		

Seq. No.	56761	Seq. ID	OJ000223_05.0419.C8
Gene No.	118727	Strand	-
Start	2194	End	8047
Name	OJ000223_05.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	2036	End	3945
GI	none	Score	117
Exons	2036..2200, 2090..2491, 2195..2512, 2512..2700, 2518..2895, 2623..3006, 2833..3033, 3028..3357, 3046..3438, 3169..3576, 3170..3556, 3256..3654, 3649..3789, 3649..3756, 3811..3945		

Seq. No.	56761	Seq. ID	OJ000223_05.0419.C8
Gene No.	118727	Strand	-
Start	2194	End	8047
Name	OJ000223_05.0419.C8.o1.gs	Method	GENSCAN
Start	2194	End	4740

GI	none	Score	.5
Exons	2194..2329, 2491..3485, 3708..4007, 4356..4740		

Seq. No.	56761	Seq. ID	OJ000223_05.0419.C8
Gene No.	118727	Strand	-
Start	2194	End	8047
Name	OJ000223_05.0419.C8.o1.tc	Method	TBLASTX:Cress
Start	2231	End	3795
GI	none	Score	42
Exons	2231..2488, 2243..2512, 2321..2512, 2345..2512, 2423..2512, 2435..2524, 2441..2503, 2491..2691, 2512..2649, 2512..2802, 2519..2575, 2524..2733, 2551..2898, 2606..2692, 2635..2841, 2662..3018, 2752..2898, 2758..3006, 2857..3012, 3076..3423, 3175..3357, 3178..3534, 3250..3477, 3277..3654, 3394..3555, 3395..3655, 3460..3630, 3649..3795		

Seq. No.	56761	Seq. ID	OJ000223_05.0419.C8
Gene No.	118727	Strand	-
Start	2194	End	8047
Name	OJ000223_05.0419.C8.o2.np	Method	AAT/NAP
Start	4489	End	8047
GI	1076802	Score	168
Exons	4489..4919, 6765..6979, 7748..8047		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	56762	Seq. ID	OJ000223_05.0419.C12
Gene No.	118728	Strand	+
Start	214	End	528
Name	OJ000223_05.0419.C12.o1.gs	Method	GENSCAN
Start	214	End	528
GI	none	Score	.41
Exons	214..218, 522..528		

Seq. No.	56763	Seq. ID	OJ000223_05.0419.C13
Gene No.	118729	Strand	+
Start	1	End	2215
Name	OJ000223_05.0419.C13.o1.np	Method	AAT/NAP
Start	1	End	2210
GI	6016874	Score	136
Exons	1..23, 1270..1428, 1989..2210		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	56763	Seq. ID	OJ000223_05.0419.C13
Gene No.	118729	Strand	+
Start	1	End	2215
Name	OJ000223_05.0419.C13.o1.gs	Method	GENSCAN
Start	1688	End	2215
GI	none	Score	.93
Exons	1688..2215		

Seq. No.	56764	Seq. ID	OJ000223_05.0419.C14
Gene No.	118730	Strand	+
Start	2862	End	11590

Name	OJ000223_05.0419.C14.o2.gs	Method	GENSCAN
Start	2862	End	11590
GI	none	Score	.72
Exons	2862..3106, 3317..3476, 3582..3664, 3775..3865, 3957..4052, 4547..4660, 4764..4847, 4935..5090, 5186..5260, 5760..5866, 5950..6130, 6274..6462, 6839..6919, 7063..7197, 7449..7661, 8176..8325, 8476..8616, 9134..9272, 10215..10297, 10764..11037, 11471..11590		

Seq. No.	56764	Seq. ID	OJ000223_05.0419.C14
Gene No.	118730	Strand	+
Start	2862	End	11590
Name	OJ000223_05.0419.C14.o1.np	Method	AAT/NAP
Start	2880	End	8619
GI	6524953	Score	2549
Exons	2880..3106, 3317..3480, 3592..3664, 3775..3865, 3957..4052, 4547..4660, 4764..4847, 4935..5090, 5186..5260, 5760..5866, 5950..6130, 6274..6462, 6839..6919, 7063..7212, 7449..7771, 7945..8050, 8176..8325, 8476..8619		
GI Descrip:	(AF188994) homeodomain-leucine zipper protein interfascicular fiberless 1 [Arabidopsis thaliana]		

Seq. No.	56764	Seq. ID	OJ000223_05.0419.C14
Gene No.	118730	Strand	+
Start	2862	End	11590
Name	OJ000223_05.0419.C14.o2.tw	Method	TBLASTX:Wheat
Start	2945	End	3671
GI	none	Score	262
Exons	2945..3109, 2946..3107, 3062..3109, 3311..3475, 3315..3485, 3560..3664, 3581..3667, 3582..3671		

Seq. No.	56764	Seq. ID	OJ000223_05.0419.C14
Gene No.	118730	Strand	+
Start	2862	End	11590
Name	OJ000223_05.0419.C14.o2.tc	Method	TBLASTX:Cress
Start	2946	End	3865
GI	none	Score	260
Exons	2946..3107, 2948..3109, 3311..3448, 3315..3485, 3452..3493, 3597..3641, 3630..3653, 3775..3864, 3776..3865		

Seq. No.	56764	Seq. ID	OJ000223_05.0419.C14
Gene No.	118730	Strand	+
Start	2862	End	11590
Name	OJ000223_05.0419.C14.o2.ts	Method	TBLASTX:Soybean
Start	2946	End	3841
GI	none	Score	260
Exons	2946..3107, 2948..3109, 3044..3109, 3314..3448, 3315..3479, 3600..3653, 3775..3840, 3776..3841		

Seq. No.	56764	Seq. ID	OJ000223_05.0419.C14
Gene No.	118730	Strand	+
Start	2862	End	11590
Name	OJ000223_05.0419.C14.o2.tm	Method	TBLASTX:Maize
Start	3316	End	3819
GI	none	Score	256
Exons	3316..3477, 3318..3485, 3560..3664, 3579..3662, 3584..3709, 3585..3671, 3770..3817, 3775..3819, 3775..3816		

Seq. No.	56764	Seq. ID	OJ000223_05.0419.C14
Gene No.	118730	Strand	+
Start	2862	End	11590
Name	OJ000223_05.0419.C14.o1.tc	Method	TBLASTX:Cress
Start	3956	End	6043
GI	none	Score	130
Exons	3956..4051, 3957..4055, 4540..4659, 4541..4660, 4755..4850, 4760..4873, 4761..4853, 4763..4867, 4925..5089, 4935..5090, 4992..5090, 4993..5091, 5183..5272, 5183..5257, 5748..5879, 5759..5866, 5947..6039, 5948..6043		

Seq. No.	56764	Seq. ID	OJ000223_05.0419.C14
Gene No.	118730	Strand	+
Start	2862	End	11590
Name	OJ000223_05.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	3962	End	8628
GI	none	Score	154
Exons	3962..4060, 3963..4067, 4550..4663, 4552..4659, 4753..4848, 4755..4850, 4763..4852, 4925..5095, 4929..5090, 5183..5257, 5188..5259, 5189..5257, 5748..5879, 5759..5866, 5760..5879, 5947..6039, 5948..6139, 6001..6129, 6272..6460, 6273..6461, 6273..6461, 6292..6465, 6830..6922, 7049..7198, 7050..7196, 7054..7197, 7057..7203, 7448..7510, 7449..7511, 7450..7512, 7512..7769, 7519..7734, 7520..7768, 7925..8050, 7926..8039, 7928..8050, 7948..8052, 8157..8327, 8169..8324, 8170..8340, 8455..8628, 8474..8587, 8502..8621		

Seq. No.	56764	Seq. ID	OJ000223_05.0419.C14
Gene No.	118730	Strand	+
Start	2862	End	11590
Name	OJ000223_05.0419.C14.o1.ts	Method	TBLASTX:Soybean
Start	3971	End	5874
GI	none	Score	108
Exons	3971..4051, 3975..4055, 4507..4656, 4540..4659, 4544..4660, 4544..4690, 4755..4850, 4763..4867, 4925..5095, 4929..5090, 4934..5095, 5183..5272, 5183..5272, 5748..5867, 5758..5874, 5759..5866		

Seq. No.	56764	Seq. ID	OJ000223_05.0419.C14
Gene No.	118730	Strand	+
Start	2862	End	11590
Name	OJ000223_05.0419.C14.o3.tw	Method	TBLASTX:Wheat
Start	3993	End	5251
GI	none	Score	91
Exons	3993..4055, 3998..4054, 4544..4660, 4552..4659, 4755..4850, 4769..4846, 4905..5090, 4913..5089, 4992..5090, 5183..5224, 5186..5251		

Seq. No.	56764	Seq. ID	OJ000223_05.0419.C14
Gene No.	118730	Strand	+
Start	2862	End	11590
Name	OJ000223_05.0419.C14.o1.gp	Method	AAT/GAP
Start	5172	End	6913
GI	42739_1.R1084	Score	1083
Exons	5172..5260, 5760..5866, 5950..6130, 6274..6462, 6839..6913		
GI Descrip.	'2145356/emb|CAA72007| 2.0e-65 (Y11122) HD-Zip protein		

[Arabidopsis thaliana] >gi_3132474 (AC003096) homeobox protein, ATHB-14 [Arabidopsis thaliana]'

Seq. No.	56764	Seq. ID	OJ000223_05.0419.C14
Gene No.	118730	Strand	+
Start	2862	End	11590
Name	OJ000223_05.0419.C14.o3.ts	Method	TBLASTX:Soybean
Start	6836	End	8648
GI	none	Score	96
Exons	6836..6922, 6964..7194, 7068..7193, 7446..7532, 7476..7529, 7509..7769, 7550..7768, 7928..8065, 8181..8324, 8182..8340, 8185..8340, 8443..8577, 8508..8648, 8563..8622		

Seq. No.	56764	Seq. ID	OJ000223_05.0419.C14
Gene No.	118730	Strand	+
Start	2862	End	11590
Name	OJ000223_05.0419.C14.o3.tc	Method	TBLASTX:Cress
Start	7640	End	8322
GI	none	Score	91
Exons	7640..7768, 7640..7768, 7650..7769, 7668..7772, 7928..8065, 8181..8309, 8182..8322		

Seq. No.	56764	Seq. ID	OJ000223_05.0419.C14
Gene No.	118730	Strand	+
Start	2862	End	11590
Name	OJ000223_05.0419.C14.o1.tw	Method	TBLASTX:Wheat
Start	7694	End	8327
GI	none	Score	120
Exons	7694..7768, 7695..7772, 7695..7769, 7696..7773, 7697..7774, 7925..8053, 7928..8050, 8169..8324, 8170..8325, 8174..8326, 8175..8327		

Seq. No.	56764	Seq. ID	OJ000223_05.0419.C14
Gene No.	118730	Strand	+
Start	2862	End	11590
Name	OJ000223_05.0419.C14.o2.gp	Method	AAT/GAP
Start	8168	End	8971
GI	29092_2.R1084	Score	1192
Exons	8168..8325, 8476..8971		
GI Descrip.	'2145356/emb|CAA72007| 1.0e-27 (Y11122) HD-Zip protein [Arabidopsis thaliana] >gi_3132474 (AC003096) homeobox protein, ATHB-14 [Arabidopsis thaliana]'		

Seq. No.	56764	Seq. ID	OJ000223_05.0419.C14
Gene No.	118730	Strand	+
Start	2862	End	11590
Name	OJ000223_05.0419.C14.o4.tc	Method	TBLASTX:Cress
Start	8464	End	8637
GI	none	Score	196
Exons	8464..8637, 8502..8630		

Seq. No.	56765	Seq. ID	OJ000223_05.0419.C16
Gene No.	118731	Strand	+
Start	1016	End	1545
Name	OJ000223_05.0419.C16.o1.gs	Method	GENSCAN
Start	1016	End	1545
GI	none	Score	.74

Exons 1016..1065, 1340..1545

Seq. No.	56766	Seq. ID	OJ000223_05.0419.C18
Gene No.	118732	Strand	+
Start	1	End	3333
Name	OJ000223_05.0419.C18.o1.np	Method	AAT/NAP
Start	1	End	3333
GI	7258384	Score	405
Exons	1..149, 1306..1380, 1473..1526, 1628..1699, 2482..2625, 2957..3009, 3077..3123, 3210..3333		
GI Descrip.	(AL138650) putative protein [Arabidopsis thaliana]		

Seq. No.	56767	Seq. ID	OJ000223_05.0419.C20
Gene No.	118733	Strand	-
Start	141	End	407
Name	OJ000223_05.0419.C20.o1.gs	Method	GENSCAN
Start	141	End	407
GI	none	Score	.46
Exons	141..407		

Seq. No.	56768	Seq. ID	OJ000223_05.0419.C21
Gene No.	118734	Strand	+
Start	1854	End	6069
Name	OJ000223_05.0419.C21.o1.np	Method	AAT/NAP
Start	1854	End	6069
GI	7484815	Score	1583
Exons	1854..2976, 5163..6069		
GI Descrip.	auxin response factor 7 homolog F6G3.110 - Arabidopsis thaliana gi|4938484|emb|CAB43843.1| (AL078464) transcription factor-like protein [Arabidopsis thaliana] gi|7269908|emb|CAB81001.1| (AL161576) transcription factor-like protein [Arabidopsis thaliana]		

Seq. No.	56768	Seq. ID	OJ000223_05.0419.C21
Gene No.	118734	Strand	+
Start	1854	End	6069
Name	OJ000223_05.0419.C21.o3.tc	Method	TBLASTX:Cress
Start	1882	End	2148
GI	none	Score	118
Exons	1882..1977, 1884..1976, 2059..2148, 2070..2147		

Seq. No.	56768	Seq. ID	OJ000223_05.0419.C21
Gene No.	118734	Strand	+
Start	1854	End	6069
Name	OJ000223_05.0419.C21.o4.ts	Method	TBLASTX:Soybean
Start	1884	End	2169
GI	none	Score	137
Exons	1884..1976, 1897..1977, 2059..2169		

Seq. No.	56768	Seq. ID	OJ000223_05.0419.C21
Gene No.	118734	Strand	+
Start	1854	End	6069
Name	OJ000223_05.0419.C21.o2.tm	Method	TBLASTX:Maize
Start	2059	End	2520
GI	none	Score	155
Exons	2059..2184, 2064..2144, 2218..2520, 2241..2519		

Seq. No.	56768	Seq. ID	OJ000223_05.0419.C21
Gene No.	118734	Strand	+
Start	1854	End	6069
Name	OJ000223_05.0419.C21.o1.ts	Method	TBLASTX:Soybean
Start	2200	End	2511
GI	none	Score	429
Exons	2200..2511, 2241..2504		

Seq. No.	56768	Seq. ID	OJ000223_05.0419.C21
Gene No.	118734	Strand	+
Start	1854	End	6069
Name	OJ000223_05.0419.C21.o1.tc	Method	TBLASTX:Cress
Start	2250	End	2550
GI	none	Score	482
Exons	2250..2549, 2251..2550		

Seq. No.	56768	Seq. ID	OJ000223_05.0419.C21
Gene No.	118734	Strand	+
Start	1854	End	6069
Name	OJ000223_05.0419.C21.o2.ts	Method	TBLASTX:Soybean
Start	2700	End	5708
GI	none	Score	372
Exons	2700..2978, 2716..3021, 5153..5281, 5159..5293, 5160..5336, 5160..5294, 5370..5465, 5372..5467, 5395..5484, 5396..5467, 5453..5485, 5454..5486, 5535..5708		

Seq. No.	56768	Seq. ID	OJ000223_05.0419.C21
Gene No.	118734	Strand	+
Start	1854	End	6069
Name	OJ000223_05.0419.C21.o2.tc	Method	TBLASTX:Cress
Start	2712	End	2946
GI	none	Score	283
Exons	2712..2942, 2716..2946		

Seq. No.	56768	Seq. ID	OJ000223_05.0419.C21
Gene No.	118734	Strand	+
Start	1854	End	6069
Name	OJ000223_05.0419.C21.o1.gp	Method	AAT/GAP
Start	3718	End	5776
GI	24716_1.R1084	Score	1254
Exons	3718..3742, 5163..5776		
GI Descrip.	'4938484/emb|CAB43843.1| 2.0e-29 (AL078464) transcription factor-like protein [Arabidopsis thaliana]'		

Seq. No.	56768	Seq. ID	OJ000223_05.0419.C21
Gene No.	118734	Strand	+
Start	1854	End	6069
Name	OJ000223_05.0419.C21.o1.tm	Method	TBLASTX:Maize
Start	5287	End	6049
GI	none	Score	308
Exons	5287..5481, 5288..5482, 5289..5498, 5496..5639, 5498..5641, 5499..5639, 5616..5723, 5630..5713, 5642..5725, 5832..6047, 5833..6036, 5834..6049		

Seq. No.	56768	Seq. ID	OJ000223_05.0419.C21
Gene No.	118734	Strand	+
Start	1854	End	6069

Name	OJ000223_05.0419.C21.o1.tw	Method	TBLASTX:Wheat
Start	5690	End	6049
GI	none	Score	416
Exons	5690..6049, 5690..6049		

Seq. No.	56768	Seq. ID	OJ000223_05.0419.C21
Gene No.	118734	Strand	+
Start	1854	End	6069
Name	OJ000223_05.0419.C21.o3.ts	Method	TBLASTX:Soybean
Start	5844	End	6049
GI	none	Score	261
Exons	5844..6047, 5846..6049		

Seq. No.	56768	Seq. ID	OJ000223_05.0419.C21
Gene No.	118734	Strand	+
Start	1854	End	6069
Name	OJ000223_05.0419.C21.o4.tc	Method	TBLASTX:Cress
Start	5846	End	5975
GI	none	Score	181
Exons	5846..5971, 5847..5975		

Seq. No.	56769	Seq. ID	OJ000223_05.0419.C23
Gene No.	118735	Strand	+
Start	1	End	3490
Name	OJ000223_05.0419.C23.o1.np	Method	AAT/NAP
Start	1	End	2033
GI	4432844	Score	623
Exons	1..66, 586..691, 908..1051, 1141..1236, 1561..1662, 1944..2033		
GI Descrip.	(AC006283) unknown protein [Arabidopsis thaliana]		

Seq. No.	56769	Seq. ID	OJ000223_05.0419.C23
Gene No.	118735	Strand	+
Start	1	End	3490
Name	OJ000223_05.0419.C23.o1.tm	Method	TBLASTX:Maize
Start	553	End	2328
GI	none	Score	118
Exons	553..687, 584..691, 587..694, 588..698, 750..821, 760..819, 766..822, 767..829, 767..829, 903..986, 906..986, 908..988, 980..1051, 980..1057, 984..1058, 1138..1239, 1138..1236, 1140..1238, 1554..1661, 1558..1662, 1559..1663, 1935..2039, 1937..2035, 1942..2037, 2220..2264, 2251..2328		

Seq. No.	56769	Seq. ID	OJ000223_05.0419.C23
Gene No.	118735	Strand	+
Start	1	End	3490
Name	OJ000223_05.0419.C23.o1.ts	Method	TBLASTX:Soybean
Start	587	End	987
GI	none	Score	140
Exons	587..697, 587..697, 746..829, 750..821, 907..987, 908..985		

Seq. No.	56769	Seq. ID	OJ000223_05.0419.C23
Gene No.	118735	Strand	+
Start	1	End	3490
Name	OJ000223_05.0419.C23.o1.gs	Method	GENSCAN
Start	590	End	3490
GI	none	Score	.4
Exons	590..691, 908..1051, 1561..1662, 1944..2032, 2253..2388,		

2779..2908, 3339..3490

Seq. No.	56769	Seq. ID	OJ000223_05.0419.C23
Gene No.	118735	Strand	+
Start	1	End	3490
Name	OJ000223_05.0419.C23.o1.tc	Method	TBLASTX:Cress
Start	623	End	2021
GI	none	Score	116
Exons	623..712, 623..712, 759..821, 770..829, 874..1047, 907..1050, 908..1051, 1138..1242, 1140..1238, 1554..1661, 1558..1662, 1935..2021, 1940..2020		

Seq. No.	56769	Seq. ID	OJ000223_05.0419.C23
Gene No.	118735	Strand	+
Start	1	End	3490
Name	OJ000223_05.0419.C23.o1.gp	Method	AAT/GAP
Start	1003	End	2235
GI	LIB3434-034-P1-K1-F10	Score	995
Exons	1003..1051, 1141..1236, 1561..1662, 1944..2235		
GI Descrip.	'4432844/gb|AAD20693| 1.0e-50 (AC006283) unknown protein [Arabidopsis thaliana]'		

Seq. No.	56770	Seq. ID	OJ000223_05.0419.C24
Gene No.	118736	Strand	+
Start	937	End	1682
Name	OJ000223_05.0419.C24.o1.gs	Method	GENSCAN
Start	937	End	1682
GI	none	Score	.87
Exons	937..1024, 1464..1682		

Seq. No.	56771	Seq. ID	OJ000223_05.0419.C26
Gene No.	118737	Strand	-
Start	1820	End	1873
Name	OJ000223_05.0419.C26.o1.gs	Method	GENSCAN
Start	1820	End	1873
GI	none	Score	.72
Exons	1820..1873		

Seq. No.	56772	Seq. ID	OJ000223_05.0419.C27
Gene No.	118738	Strand	-
Start	1	End	3706
Name	OJ000223_05.0419.C27.o1.np	Method	AAT/NAP
Start	1	End	1518
GI	6539588	Score	293
Exons	1..36, 1222..1518		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	56772	Seq. ID	OJ000223_05.0419.C27
Gene No.	118738	Strand	-
Start	1	End	3706
Name	OJ000223_05.0419.C27.o1.gs	Method	GENSCAN
Start	1015	End	3706
GI	none	Score	.5
Exons	1015..1095, 1222..1432, 1699..1880, 3457..3669, 3698..3706		

Seq. No.	56773	Seq. ID	OJ000403_04.0421.C1
Gene No.	118739	Strand	+

Start	1	End	5796
Name	OJ000403_04.0421.C1.o1.np	Method	AAT/NAP
Start	1	End	1180
GI	7267528	Score	635
Exons	1..662, 900..1180		
GI Descrip.	(AL161513) receptor protein kinase-like protein [Arabidopsis thaliana] gi|7321074|emb|CAB82121.1| (AL161813) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	56773	Seq. ID	OJ000403_04.0421.C1
Gene No.	118739	Strand	+
Start	1	End	5796
Name	OJ000403_04.0421.C1.o1.gs	Method	GENSCAN
Start	14	End	5796
GI	none	Score	.46
Exons	14..662, 900..1236, 1287..1325, 1633..1705, 2025..2202, 2221..2347, 2634..2802, 3142..3275, 4345..4398, 5185..5292, 5460..5796		

Seq. No.	56773	Seq. ID	OJ000403_04.0421.C1
Gene No.	118739	Strand	+
Start	1	End	5796
Name	OJ000403_04.0421.C1.o2.np	Method	AAT/NAP
Start	2623	End	3642
GI	82486	Score	185
Exons	2623..2752, 3523..3642		
GI Descrip.	hypothetical protein 3 - rice gi|20381|emb|CAA29824| (X06611) put. ORF 1 [Oryza sativa]		

Seq. No.	56773	Seq. ID	OJ000403_04.0421.C1
Gene No.	118740	Strand	+
Start	7579	End	9688
Name	OJ000403_04.0421.C1.o3.np	Method	AAT/NAP
Start	7507	End	9688
GI	7489084	Score	1184
Exons	7507..9688		
GI Descrip.	disease resistance protein Cf-2.2 - currant tomato gi|1184077|gb|AAC15780.1| (U42445) Cf-2.2 [Lycopersicon pimpinellifolium]		

Seq. No.	56773	Seq. ID	OJ000403_04.0421.C1
Gene No.	118740	Strand	+
Start	7579	End	9688
Name	OJ000403_04.0421.C1.o2.gs	Method	GENSCAN
Start	7579	End	9635
GI	none	Score	.64
Exons	7579..7700, 7897..8033, 8609..8773, 9258..9401, 9417..9635		

Seq. No.	56773	Seq. ID	OJ000403_04.0421.C1
Gene No.	118741	Strand	-
Start	3905	End	9661
Name	OJ000403_04.0421.C1.o1.ts	Method	TBLASTX:Soybean
Start	91	End	9481
GI	none	Score	149
Exons	91..243, 98..274, 275..661, 290..556, 292..660, 899..952, 8212..8319, 8449..8619, 8524..8712, 8635..8724, 8882..9070, 8969..9121, 9317..9481		

Seq. No.	56773	Seq. ID	OJ000403_04.0421.C1
Gene No.	118741	Strand	-
Start	3905	End	9661
Name	OJ000403_04.0421.C1.o1.tc	Method	TBLASTX:Cress
Start	275	End	675
GI	none	Score	401
Exons	275..664, 292..675		

Seq. No.	56773	Seq. ID	OJ000403_04.0421.C1
Gene No.	118741	Strand	-
Start	3905	End	9661
Name	OJ000403_04.0421.C1.o1.tw	Method	TBLASTX:Wheat
Start	284	End	622
GI	none	Score	255
Exons	284..622, 301..594		

Seq. No.	56773	Seq. ID	OJ000403_04.0421.C1
Gene No.	118741	Strand	-
Start	3905	End	9661
Name	OJ000403_04.0421.C1.o2.tm	Method	TBLASTX:Maize
Start	326	End	1165
GI	none	Score	116
Exons	326..442, 328..456, 446..661, 457..660, 843..950, 899..1015, 899..997, 1040..1165		

Seq. No.	56773	Seq. ID	OJ000403_04.0421.C1
Gene No.	118741	Strand	-
Start	3905	End	9661
Name	OJ000403_04.0421.C1.o2.tc	Method	TBLASTX:Cress
Start	899	End	9661
GI	none	Score	76
Exons	899..970, 7798..7854, 7907..8128, 7907..8086, 7957..8106, 7961..8128, 7961..8074, 8092..8151, 8092..8151, 8092..8151, 8193..8381, 8206..8760, 8206..8616, 8209..8877, 8209..8565, 8212..8877, 8212..8568, 8221..8832, 8227..8709, 8242..8781, 8268..8549, 8293..8853, 8353..8877, 8494..8877, 8646..8834, 8837..8920, 8878..9063, 8885..9124, 8885..9124, 8890..9075, 8896..9123, 8959..9258, 8966..9121, 8968..9267, 8969..9124, 8969..9124, 8969..9070, 8969..9124, 9002..9124, 9028..9339, 9109..9414, 9178..9483, 9254..9559, 9254..9358, 9254..9553, 9254..9553, 9254..9415, 9257..9562, 9257..9622, 9257..9412, 9299..9553, 9299..9553, 9365..9553, 9458..9484, 9554..9622, 9557..9661, 9575..9661, 9578..9658		

Seq. No.	56773	Seq. ID	OJ000403_04.0421.C1
Gene No.	118741	Strand	-
Start	3905	End	9661
Name	OJ000403_04.0421.C1.o1.gp	Method	AAT/GAP
Start	3905	End	4055
GI	286806	Score	250
Exons	3905..4055		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	56773	Seq. ID	OJ000403_04.0421.C1
Gene No.	118741	Strand	-

Start	3905	End	9661
Name	OJ000403_04.0421.C1.o2.tw	Method	TBLASTX:Wheat
Start	7795	End	9661
GI	none	Score	68
Exons	7795..7905, 8212..8460, 8221..8529, 8293..8604, 8365..8676, 8382..8690, 8509..8820, 8601..8729, 8650..8862, 8710..8880, 8890..9123, 9034..9180, 9040..9258, 9157..9420, 9254..9541, 9287..9553, 9557..9661		

Seq. No.	56773	Seq. ID	OJ000403_04.0421.C1
Gene No.	118741	Strand	-
Start	3905	End	9661
Name	OJ000403_04.0421.C1.o1.tm	Method	TBLASTX:Maize
Start	7907	End	9661
GI	none	Score	86
Exons	7907..8128, 7939..8085, 7961..8128, 7961..8131, 8209..8877, 8212..8814, 8454..8690, 8494..8862, 8511..8843, 8882..8920, 8885..9124, 8885..9124, 8887..9267, 8944..9276, 8969..9124, 8969..9124, 9112..9420, 9254..9559, 9254..9556, 9254..9463, 9254..9553, 9254..9553, 9299..9553, 9575..9661		

Seq. No.	56774	Seq. ID	OJ000403_04.0421.C2
Gene No.	118742	Strand	+
Start	1	End	1145
Name	OJ000403_04.0421.C2.o1.np	Method	AAT/NAP
Start	1	End	1035
GI	7267528	Score	478
Exons	1..530, 751..1035		
GI Descrip.	(AL161513) receptor protein kinase-like protein [Arabidopsis thaliana] gi|7321074|emb|CAB82121.1| (AL161813) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	56774	Seq. ID	OJ000403_04.0421.C2
Gene No.	118742	Strand	+
Start	1	End	1145
Name	OJ000403_04.0421.C2.o2.np	Method	AAT/NAP
Start	1	End	1145
GI	5734709	Score	316
Exons	1..530, 751..829, 1096..1145		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	56774	Seq. ID	OJ000403_04.0421.C2
Gene No.	118742	Strand	+
Start	1	End	1145
Name	OJ000403_04.0421.C2.o1.ts	Method	TBLASTX:Soybean
Start	4	End	803
GI	none	Score	67
Exons	4..135, 6..83, 7..111, 8..142, 143..529, 158..424, 160..528, 750..803		

Seq. No.	56774	Seq. ID	OJ000403_04.0421.C2
Gene No.	118742	Strand	+
Start	1	End	1145
Name	OJ000403_04.0421.C2.o1.gs	Method	GENSCAN
Start	119	End	530
GI	none	Score	.44

Exons	119..530		
Seq. No.	56774	Seq. ID	OJ000403_04.0421.C2
Gene No.	118742	Strand	+
Start	1	End	1145
Name	OJ000403_04.0421.C2.o1.tc	Method	TBLASTX:Cress
Start	142	End	540
GI	none	Score	388
Exons	142..540, 143..532		
Seq. No.	56774	Seq. ID	OJ000403_04.0421.C2
Gene No.	118742	Strand	+
Start	1	End	1145
Name	OJ000403_04.0421.C2.o1.tw	Method	TBLASTX:Wheat
Start	152	End	490
GI	none	Score	242
Exons	152..490, 169..462		
Seq. No.	56774	Seq. ID	OJ000403_04.0421.C2
Gene No.	118742	Strand	+
Start	1	End	1145
Name	OJ000403_04.0421.C2.o1.tm	Method	TBLASTX:Maize
Start	194	End	830
GI	none	Score	113
Exons	194..310, 196..309, 314..529, 325..528, 750..830		
Seq. No.	56774	Seq. ID	OJ000403_04.0421.C2
Gene No.	118742	Strand	+
Start	1	End	1145
Name	OJ000403_04.0421.C2.o1.gp	Method	AAT/GAP
Start	807	End	1145
GI	none	Score	658
Exons	807..1145		
Seq. No.	56775	Seq. ID	OJ000403_04.0421.C3
Gene No.	118743	Strand	+
Start	1	End	1487
Name	OJ000403_04.0421.C3.o1.np	Method	AAT/NAP
Start	1	End	1487
GI	5263323	Score	132
Exons	1..44, 525..695, 1329..1487		
GI Descrip.	(AC007727) Similar to gb|U96710 8-oxoguanine DNA-glycosylase from Homo sapiens. [Arabidopsis thaliana]		
Seq. No.	56775	Seq. ID	OJ000403_04.0421.C3
Gene No.	118743	Strand	+
Start	1	End	1487
Name	OJ000403_04.0421.C3.o1.gs	Method	GENSCAN
Start	512	End	767
GI	none	Score	.64
Exons	512..767		
Seq. No.	56775	Seq. ID	OJ000403_04.0421.C3
Gene No.	118744	Strand	+
Start	1881	End	3476
Name	OJ000403_04.0421.C3.o1.gp	Method	AAT/GAP
Start	1881	End	3476

GI	none	Score	704
Exons	1881..2070, 2157..2278, 3344..3476		

Seq. No.	56775	Seq. ID	OJ000403_04.0421.C3
Gene No.	118745	Strand	-
Start	4918	End	6391
Name	OJ000403_04.0421.C3.o1.tm	Method	TBLASTX:Maize
Start	514	End	743
GI	none	Score	246
Exons	514..591, 534..743, 534..707		

Seq. No.	56775	Seq. ID	OJ000403_04.0421.C3
Gene No.	118745	Strand	-
Start	4918	End	6391
Name	OJ000403_04.0421.C3.o2.np	Method	AAT/NAP
Start	4918	End	6391
GI	6069646	Score	408
Exons	4918..5857, 6344..6391		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	56775	Seq. ID	OJ000403_04.0421.C3
Gene No.	118745	Strand	-
Start	4918	End	6391
Name	OJ000403_04.0421.C3.o2.tm	Method	TBLASTX:Maize
Start	5152	End	5523
GI	none	Score	88
Exons	5152..5382, 5404..5523		

Seq. No.	56776	Seq. ID	OJ000403_04.0421.C4
Gene No.	118746	Strand	+
Start	735	End	1448
Name	OJ000403_04.0421.C4.o1.gs	Method	GENSCAN
Start	735	End	1448
GI	none	Score	.58
Exons	735..852, 947..1088, 1301..1448		

Seq. No.	56776	Seq. ID	OJ000403_04.0421.C4
Gene No.	118746	Strand	+
Start	735	End	1448
Name	OJ000403_04.0421.C4.o1.np	Method	AAT/NAP
Start	756	End	1112
GI	6978904	Score	153
Exons	756..852, 947..1112		
GI Descrip.	(AC021199) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56776	Seq. ID	OJ000403_04.0421.C4
Gene No.	118747	Strand	+
Start	2904	End	3277
Name	OJ000403_04.0421.C4.o1.gp	Method	AAT/GAP
Start	2904	End	3277
GI	90805_1.R1084	Score	583
Exons	2904..3277		
GI Descrip.	'5091616/gb|AAD39604.1|AC007454_3 2.0e-30 (AC007454) F23M19.3		

[Arabidopsis thaliana]'

Seq. No.	56776	Seq. ID	OJ000403_04.0421.C4
Gene No.	118748	Strand	+
Start	3789	End	4725
Name	OJ000403_04.0421.C4.o2.gs	Method	GENSCAN
Start	3789	End	4725
GI	none	Score	.64
Exons	3789..3957, 4598..4725		

Seq. No.	56776	Seq. ID	OJ000403_04.0421.C4
Gene No.	118749	Strand	+
Start	7032	End	8918
Name	OJ000403_04.0421.C4.o3.gs	Method	GENSCAN
Start	7032	End	8918
GI	none	Score	.52
Exons	7032..7064, 7148..7276, 8814..8918		

Seq. No.	56776	Seq. ID	OJ000403_04.0421.C4
Gene No.	118750	Strand	+
Start	9395	End	12029
Name	OJ000403_04.0421.C4.o2.np	Method	AAT/NAP
Start	9395	End	12029
GI	6573780	Score	137
Exons	9395..9472, 11544..12029		
GI Descrip.	(AC009243) F28K19.7 [Arabidopsis thaliana]		

Seq. No.	56776	Seq. ID	OJ000403_04.0421.C4
Gene No.	118750	Strand	+
Start	9395	End	12029
Name	OJ000403_04.0421.C4.o4.gp	Method	AAT/GAP
Start	11472	End	11868
GI	none	Score	778
Exons	11472..11868		

Seq. No.	56776	Seq. ID	OJ000403_04.0421.C4
Gene No.	118751	Strand	-
Start	3283	End	3344
Name	OJ000403_04.0421.C4.o3.gp	Method	AAT/GAP
Start	3283	End	3344
GI	none	Score	95
Exons	3283..3344		

Seq. No.	56776	Seq. ID	OJ000403_04.0421.C4
Gene No.	118752	Strand	-
Start	9283	End	12029
Name	OJ000403_04.0421.C4.o2.tm	Method	TBLASTX:Maize
Start	783	End	1086
GI	none	Score	64
Exons	783..833, 900..1070, 949..1086		

Seq. No.	56776	Seq. ID	OJ000403_04.0421.C4
Gene No.	118752	Strand	-
Start	9283	End	12029
Name	OJ000403_04.0421.C4.o4.gs	Method	GENSCAN
Start	9283	End	12025
GI	none	Score	.77

Exons	9283..9376, 11534..11705, 11932..12025		
Seq. No.	56776	Seq. ID	OJ000403_04.0421.C4
Gene No.	118752	Strand	-
Start	9283	End	12029
Name	OJ000403_04.0421.C4.o1.tm	Method	TBLASTX:Maize
Start	11574	End	12029
GI	none	Score	74
Exons	11574..11627, 11733..11792, 11741..11797, 11742..11861, 11985..12029		
Seq. No.	56777	Seq. ID	OJ000403_04.0421.C5
Gene No.	118753	Strand	+
Start	325	End	725
Name	OJ000403_04.0421.C5.o1.gs	Method	GENSCAN
Start	325	End	725
GI	none	Score	.65
Exons	325..371, 481..593, 622..725		
Seq. No.	56778	Seq. ID	OJ000403_04.0421.C6
Gene No.	118754	Strand	-
Start	3032	End	8359
Name	OJ000403_04.0421.C6.o3.ts	Method	TBLASTX:Soybean
Start	3005	End	3251
GI	none	Score	79
Exons	3005..3250, 3017..3184, 3117..3251		
Seq. No.	56778	Seq. ID	OJ000403_04.0421.C6
Gene No.	118754	Strand	-
Start	3032	End	8359
Name	OJ000403_04.0421.C6.o3.tm	Method	TBLASTX:Maize
Start	3029	End	3274
GI	none	Score	79
Exons	3029..3181, 3029..3274		
Seq. No.	56778	Seq. ID	OJ000403_04.0421.C6
Gene No.	118754	Strand	-
Start	3032	End	8359
Name	OJ000403_04.0421.C6.o4.tc	Method	TBLASTX:Cress
Start	3029	End	3403
GI	none	Score	117
Exons	3029..3271, 3030..3236, 3263..3403		
Seq. No.	56778	Seq. ID	OJ000403_04.0421.C6
Gene No.	118754	Strand	-
Start	3032	End	8359
Name	OJ000403_04.0421.C6.o1.np	Method	AAT/NAP
Start	3032	End	6392
GI	4263522	Score	949
Exons	3032..4350, 6368..6392		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	56778	Seq. ID	OJ000403_04.0421.C6
Gene No.	118754	Strand	-
Start	3032	End	8359
Name	OJ000403_04.0421.C6.o2.ts	Method	TBLASTX:Soybean
Start	3263	End	3769

GI	none	Score	381
Exons	3263..3769		

Seq. No.	56778	Seq. ID	OJ000403_04.0421.C6
Gene No.	118754	Strand	-
Start	3032	End	8359
Name	OJ000403_04.0421.C6.o2.tm	Method	TBLASTX:Maize
Start	3278	End	4396
GI	none	Score	121
Exons	3278..3775, 3369..3758, 3767..4027, 3767..4060, 3836..4060, 3860..4030, 3929..4048, 4088..4165, 4100..4348, 4175..4345, 4277..4396		

Seq. No.	56778	Seq. ID	OJ000403_04.0421.C6
Gene No.	118754	Strand	-
Start	3032	End	8359
Name	OJ000403_04.0421.C6.o5.tc	Method	TBLASTX:Cress
Start	3422	End	3754
GI	none	Score	103
Exons	3422..3754, 3434..3739, 3435..3749		

Seq. No.	56778	Seq. ID	OJ000403_04.0421.C6
Gene No.	118754	Strand	-
Start	3032	End	8359
Name	OJ000403_04.0421.C6.o3.tw	Method	TBLASTX:Wheat
Start	3728	End	4363
GI	none	Score	43
Exons	3728..3766, 3729..3764, 3767..4045, 3779..3904, 3789..3854, 3972..4034, 4079..4207, 4092..4133, 4097..4363		

Seq. No.	56778	Seq. ID	OJ000403_04.0421.C6
Gene No.	118754	Strand	-
Start	3032	End	8359
Name	OJ000403_04.0421.C6.o3.tc	Method	TBLASTX:Cress
Start	3767	End	4381
GI	none	Score	91
Exons	3767..3853, 3779..3997, 3872..4039, 3872..4048, 3890..4060, 4064..4357, 4100..4165, 4175..4381, 4184..4360		

Seq. No.	56778	Seq. ID	OJ000403_04.0421.C6
Gene No.	118754	Strand	-
Start	3032	End	8359
Name	OJ000403_04.0421.C6.o4.ts	Method	TBLASTX:Soybean
Start	3770	End	4369
GI	none	Score	68
Exons	3770..3961, 3777..3887, 3788..3955, 3965..4030, 4097..4279, 4277..4369		

Seq. No.	56778	Seq. ID	OJ000403_04.0421.C6
Gene No.	118754	Strand	-
Start	3032	End	8359
Name	OJ000403_04.0421.C6.o2.gs	Method	GENSCAN
Start	5261	End	7968
GI	none	Score	.65
Exons	5261..5283, 5834..6107, 6204..6378, 7269..7435, 7522..7656, 7816..7968		

Seq. No.	56778	Seq. ID	OJ000403_04.0421.C6
Gene No.	118754	Strand	-
Start	3032	End	8359
Name	OJ000403_04.0421.C6.o1.gp	Method	AAT/GAP
Start	5290	End	5768
GI	none	Score	913
Exons	5290..5768		

Seq. No.	56778	Seq. ID	OJ000403_04.0421.C6
Gene No.	118754	Strand	-
Start	3032	End	8359
Name	OJ000403_04.0421.C6.o1.ts	Method	TBLASTX:Soybean
Start	5680	End	8231
GI	none	Score	68
Exons	5680..5748, 5685..5753, 5685..5753, 5686..5754, 5805..6032, 5815..6108, 5858..6115, 5968..6114, 6018..6122, 6068..6121, 6195..6518, 6199..6579, 6201..6578, 6661..6765, 6661..6765, 6663..6773, 7268..7435, 7269..7436, 7269..7439, 7342..7440, 7513..7659, 7517..7660, 7550..7651, 7813..7968, 7820..7969, 7823..7969, 7872..7994, 8046..8114, 8211..8231		

Seq. No.	56778	Seq. ID	OJ000403_04.0421.C6
Gene No.	118754	Strand	-
Start	3032	End	8359
Name	OJ000403_04.0421.C6.o1.tm	Method	TBLASTX:Maize
Start	5685	End	8123
GI	none	Score	76
Exons	5685..5753, 5686..5754, 5805..6032, 5815..6108, 5971..6108, 6012..6122, 6084..6110, 6195..6500, 6199..6579, 6201..6578, 6661..6765, 6661..6765, 6663..6773, 7268..7432, 7268..7435, 7269..7436, 7269..7442, 7294..7437, 7513..7659, 7550..7651, 7813..7968, 7816..7965, 7817..7969, 8046..8123, 8057..8119		

Seq. No.	56778	Seq. ID	OJ000403_04.0421.C6
Gene No.	118754	Strand	-
Start	3032	End	8359
Name	OJ000403_04.0421.C6.o2.np	Method	AAT/NAP
Start	5688	End	8359
GI	1931647	Score	1864
Exons	5688..5752, 5834..6107, 6204..6577, 6671..6765, 7269..7435, 7522..7656, 7816..7968, 8049..8125, 8323..8359		
GI Descrip.	(U95973) endomembrane protein EMP70 precusor isolog [Arabidopsis thaliana]		

Seq. No.	56778	Seq. ID	OJ000403_04.0421.C6
Gene No.	118754	Strand	-
Start	3032	End	8359
Name	OJ000403_04.0421.C6.o1.tc	Method	TBLASTX:Cress
Start	5710	End	6426
GI	none	Score	35
Exons	5710..5739, 5805..6032, 5833..6108, 5965..6114, 6012..6122, 6201..6422, 6202..6426		

Seq. No.	56778	Seq. ID	OJ000403_04.0421.C6
Gene No.	118754	Strand	-
Start	3032	End	8359
Name	OJ000403_04.0421.C6.o1.tw	Method	TBLASTX:Wheat

Start	6222	End	6539
GI	none	Score	259
Exons	6222..6515, 6222..6539, 6223..6534		

Seq. No.	56778	Seq. ID	OJ000403_04.0421.C6
Gene No.	118754	Strand	-
Start	3032	End	8359
Name	OJ000403_04.0421.C6.o2.tc	Method	TBLASTX:Cress
Start	6514	End	8258
GI	none	Score	49
Exons	6514..6579, 6516..6578, 6667..6762, 6669..6773, 7268..7435, 7269..7436, 7269..7436, 7513..7659, 7550..7657, 7813..7968, 7816..7971, 7817..7972, 8046..8150, 8059..8145, 8211..8258		

Seq. No.	56778	Seq. ID	OJ000403_04.0421.C6
Gene No.	118754	Strand	-
Start	3032	End	8359
Name	OJ000403_04.0421.C6.o2.tw	Method	TBLASTX:Wheat
Start	7268	End	7965
GI	none	Score	179
Exons	7268..7435, 7269..7436, 7333..7467, 7513..7659, 7550..7651, 7579..7659, 7813..7965, 7817..7957		

Seq. No.	56779	Seq. ID	OJ000403_04.0421.C7
Gene No.	118755	Strand	-
Start	49	End	500
Name	OJ000403_04.0421.C7.o1.gs	Method	GENSCAN
Start	49	End	455
GI	none	Score	.46
Exons	49..455		

Seq. No.	56779	Seq. ID	OJ000403_04.0421.C7
Gene No.	118755	Strand	-
Start	49	End	500
Name	OJ000403_04.0421.C7.o1.gp	Method	AAT/GAP
Start	354	End	500
GI	uC-osrocyp007f09b1	Score	271
Exons	354..500		
GI Descrip.	'1931647 2.0e-36 (U95973) endomembrane protein EMP70 precusor isolog [Arabidopsis thaliana]'		

Seq. No.	56779	Seq. ID	OJ000403_04.0421.C7
Gene No.	118756	Strand	-
Start	2580	End	3386
Name	OJ000403_04.0421.C7.o2.gs	Method	GENSCAN
Start	2580	End	3386
GI	none	Score	.52
Exons	2580..2707, 3329..3386		

Seq. No.	56780	Seq. ID	OJ000403_04.0421.C8
Gene No.	118757	Strand	+
Start	439	End	994
Name	OJ000403_04.0421.C8.o1.gs	Method	GENSCAN
Start	439	End	994
GI	none	Score	.94
Exons	439..561, 924..994		

Seq. No.	56780	Seq. ID	OJ000403_04.0421.C8
Gene No.	118758	Strand	-
Start	2827	End	3932
Name	OJ000403_04.0421.C8.o1.gp	Method	AAT/GAP
Start	2594	End	3476
GI	54683_1.R1084	Score	1494
Exons	2594..3318, 3398..3476		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	56780	Seq. ID	OJ000403_04.0421.C8
Gene No.	118758	Strand	-
Start	2827	End	3932
Name	OJ000403_04.0421.C8.o2.gs	Method	GENSCAN
Start	2827	End	3541
GI	none	Score	.65
Exons	2827..3318, 3398..3541		

Seq. No.	56780	Seq. ID	OJ000403_04.0421.C8
Gene No.	118758	Strand	-
Start	2827	End	3932
Name	OJ000403_04.0421.C8.o1.np	Method	AAT/NAP
Start	2930	End	3932
GI	4927259	Score	651
Exons	2930..3306, 3398..3541, 3841..3932		
GI Descrip.	(AF142322) putative transcription repressor maize TRM protein [Zea mays]		

Seq. No.	56780	Seq. ID	OJ000403_04.0421.C8
Gene No.	118758	Strand	-
Start	2827	End	3932
Name	OJ000403_04.0421.C8.o1.ts	Method	TBLASTX:Soybean
Start	3085	End	3919
GI	none	Score	102
Exons	3085..3207, 3109..3207, 3119..3208, 3120..3218, 3121..3198, 3136..3207, 3150..3218, 3251..3271, 3398..3544, 3398..3544, 3404..3496, 3829..3918, 3840..3899, 3841..3912, 3845..3919		

Seq. No.	56780	Seq. ID	OJ000403_04.0421.C8
Gene No.	118758	Strand	-
Start	2827	End	3932
Name	OJ000403_04.0421.C8.o1.tm	Method	TBLASTX:Maize
Start	3109	End	3919
GI	none	Score	37
Exons	3109..3207, 3136..3207, 3193..3312, 3278..3313, 3398..3544, 3399..3542, 3404..3544, 3419..3490, 3829..3918, 3840..3899, 3842..3919		

Seq. No.	56781	Seq. ID	OJ000403_04.0421.C10
Gene No.	118759	Strand	-
Start	368	End	1089
Name	OJ000403_04.0421.C10.o1.gp	Method	AAT/GAP
Start	368	End	910
GI	2800467	Score	660
Exons	368..910		

Seq. No.	56781	Seq. ID	OJ000403_04.0421.C10

Gene No.	118759	Strand	-
Start	368	End	1089
Name	OJ000403_04.0421.C10.o2.gp	Method	AAT/GAP
Start	733	End	1089
GI	uC-osroM202007h05b1	Score	407
Exons	733..791, 915..1089		
GI Descrip.	'4519673/dbj|BAA75685.1| 6.0e-48 (AB017694) WREBP-2 [Nicotiana tabacum]'		

Seq. No.	56782	Seq. ID	OJ000403_04.0421.C11
Gene No.	118760	Strand	+
Start	533	End	669
Name	OJ000403_04.0421.C11.o1.gs	Method	GENSCAN
Start	533	End	669
GI	none	Score	.58
Exons	533..669		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118761	Strand	+
Start	6049	End	6495
Name	OJ000403_04.0421.C12.o2.gs	Method	GENSCAN
Start	6049	End	6495
GI	none	Score	.98
Exons	6049..6495		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118762	Strand	+
Start	9465	End	13705
Name	OJ000403_04.0421.C12.o3.gs	Method	GENSCAN
Start	9465	End	13677
GI	none	Score	.53
Exons	9465..9795, 10087..10254, 10366..10471, 10561..10653, 10747..10837, 11266..11359, 11856..11959, 12064..12114, 12460..12576, 12658..12864, 13523..13677		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118762	Strand	+
Start	9465	End	13705
Name	OJ000403_04.0421.C12.o4.np	Method	AAT/NAP
Start	9465	End	13705
GI	5091616	Score	929
Exons	9465..9791, 10146..10511, 11266..11362, 11459..11559, 11678..11747, 11856..11959, 12460..12576, 12658..12734, 12820..12864, 13523..13705		
GI Descrip.	(AC007454) F23M19.3 [Arabidopsis thaliana]		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118762	Strand	+
Start	9465	End	13705
Name	OJ000403_04.0421.C12.o1.gp	Method	AAT/GAP
Start	10758	End	11760
GI	426590	Score	601
Exons	10758..10837, 11266..11359, 11462..11559, 11678..11760		
GI Descrip.	5091616/gb|AAD39604.1|AC007454_3 2.0e-30 (AC007454) F23M19.3 [Arabidopsis thaliana]		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12

Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o1.np	Method	AAT/NAP
Start	1	End	2908
GI	6630685	Score	4240
Exons	1..2549, 2837..2908		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o2.tm	Method	TBLASTX:Maize
Start	6	End	476
GI	none	Score	440
Exons	6..476, 7..468		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o5.ts	Method	TBLASTX:Soybean
Start	69	End	275
GI	none	Score	90
Exons	69..275, 70..234		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o1.gs	Method	GENSCAN
Start	197	End	5147
GI	none	Score	.41
Exons	197..290, 471..1019, 1146..1320, 1507..1598, 1610..2174, 2280..2980, 3018..3138, 3283..5147		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o6.tw	Method	TBLASTX:Wheat
Start	243	End	659
GI	none	Score	85
Exons	243..479, 507..659		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o4.ts	Method	TBLASTX:Soybean
Start	297	End	696
GI	none	Score	115
Exons	297..683, 328..696		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o3.tm	Method	TBLASTX:Maize
Start	592	End	1026
GI	none	Score	447
Exons	592..1026, 592..1023, 594..1025		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o1.ts	Method	TBLASTX:Soybean
Start	829	End	1436
GI	5509260	Score	284
Exons	829..1212, 831..1211, 1206..1301, 1221..1376, 1367..1435, 1383..1436		
GI Descrip.	-		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o2.tw	Method	TBLASTX:Wheat
Start	837	End	1311
GI	none	Score	174
Exons	837..1187, 843..1190, 856..1188, 1045..1200, 1192..1227, 1221..1295, 1222..1311		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o6.tm	Method	TBLASTX:Maize
Start	1146	End	1460
GI	none	Score	254
Exons	1146..1370, 1147..1395, 1147..1371, 1361..1459, 1377..1460		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o1.tm	Method	TBLASTX:Maize
Start	1469	End	2341
GI	none	Score	45
Exons	1469..2269, 1551..1592, 1596..2336, 2270..2341		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o3.tw	Method	TBLASTX:Wheat
Start	1574	End	1918
GI	none	Score	56
Exons	1574..1654, 1654..1821, 1665..1829, 1676..1840, 1829..1918, 1842..1916		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o3.ts	Method	TBLASTX:Soybean
Start	1700	End	2161
GI	none	Score	104
Exons	1700..2161, 1784..2137, 1851..2141		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o1.tc	Method	TBLASTX:Cress

Start	1703	End	2125
GI	none	Score	230
Exons	1703..2125		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o1.tw	Method	TBLASTX:Wheat
Start	2006	End	2578
GI	none	Score	179
Exons	2006..2290, 2007..2294, 2275..2319, 2278..2406, 2301..2408, 2330..2578, 2346..2570		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o4.tm	Method	TBLASTX:Maize
Start	2342	End	2737
GI	none	Score	275
Exons	2342..2614, 2343..2618, 2609..2737, 2622..2729		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o7.tw	Method	TBLASTX:Wheat
Start	2645	End	2956
GI	none	Score	132
Exons	2645..2806, 2807..2956		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o7.tm	Method	TBLASTX:Maize
Start	2738	End	3075
GI	none	Score	117
Exons	2738..2800, 2804..2977, 2811..2972, 2997..3074, 3001..3075		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o6.ts	Method	TBLASTX:Soybean
Start	2816	End	5045
GI	none	Score	73
Exons	2816..2878, 2828..2971, 2982..3023, 4593..4934, 4938..5045		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o2.np	Method	AAT/NAP
Start	2944	End	6672
GI	4416301	Score	543
Exons	2944..2980, 3582..4259, 4293..5104, 6648..6672		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672

Name	OJ000403_04.0421.C12.o3.np	Method	AAT/NAP
Start	3381	End	6364
GI	7489737	Score	562
Exons	3381..3595, 3681..5104, 6308..6364		
GI Descrip.	gag protein homolog - maize retrotransposon Opie-2 gi|3645898|gb|AAC49501.1| (U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o9.tm	Method	TBLASTX:Maize
Start	4488	End	4889
GI	none	Score	214
Exons	4488..4889		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118763	Strand	-
Start	1	End	6672
Name	OJ000403_04.0421.C12.o4.tw	Method	TBLASTX:Wheat
Start	4647	End	5039
GI	none	Score	62
Exons	4647..5039, 4947..5024		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118764	Strand	
Start	10157	End	11334
Name	OJ000403_04.0421.C12.o5.tm	Method	TBLASTX:Maize
Start	10157	End	11334
GI	none	Score	312
Exons	10157..10426, 10158..10472, 10164..10454, 10558..10647, 10559..10654, 10745..10849, 10748..10840, 11263..11334, 11266..11325		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118764	Strand	
Start	10157	End	11334
Name	OJ000403_04.0421.C12.o2.ts	Method	TBLASTX:Soybean
Start	10197	End	10813
GI	none	Score	243
Exons	10197..10472, 10199..10426, 10200..10472, 10558..10653, 10559..10654, 10784..10813		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118765	Strand	
Start	11266	End	11974
Name	OJ000403_04.0421.C12.o5.tw	Method	TBLASTX:Wheat
Start	11266	End	11737
GI	none	Score	113
Exons	11266..11382, 11463..11561, 11464..11562, 11678..11737		

Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118765	Strand	
Start	11266	End	11974
Name	OJ000403_04.0421.C12.o8.tm	Method	TBLASTX:Maize
Start	11460	End	11974
GI	none	Score	122

Exons	11460..11564, 11461..11562, 11675..11740, 11678..11740, 11840..11974, 11890..11970		
Seq. No.	56783	Seq. ID	OJ000403_04.0421.C12
Gene No.	118766	Strand	
Start	12462	End	13648
Name	OJ000403_04.0421.C12.o10.tm	Method	TBLASTX:Maize
Start	12462	End	13648
GI	none	Score	122
Exons	12462..12554, 12463..12612, 12664..12735, 12668..12745, 12672..12734, 12814..12873, 12814..12870, 12818..12877, 13524..13601, 13598..13648		
Seq. No.	56784	Seq. ID	OJ000403_04.0421.C13
Gene No.	118767	Strand	+
Start	13	End	327
Name	OJ000403_04.0421.C13.o1.gs	Method	GENSCAN
Start	13	End	327
GI	none	Score	.96
Exons	13..327		
Seq. No.	56784	Seq. ID	OJ000403_04.0421.C13
Gene No.	118768	Strand	-
Start	5975	End	6625
Name	OJ000403_04.0421.C13.o3.gs	Method	GENSCAN
Start	5975	End	6625
GI	none	Score	1
Exons	5975..6625		
Seq. No.	56785	Seq. ID	OJ000403_04.0421.C14
Gene No.	118769	Strand	+
Start	167	End	287
Name	OJ000403_04.0421.C14.o1.gs	Method	GENSCAN
Start	167	End	287
GI	none	Score	.49
Exons	167..223, 231..287		
Seq. No.	56785	Seq. ID	OJ000403_04.0421.C14
Gene No.	118770	Strand	+
Start	2208	End	6284
Name	OJ000403_04.0421.C14.o1.gp	Method	AAT/GAP
Start	2064	End	2430
GI	uC-osflcyp106d01b1	Score	719
Exons	2064..2430		
GI Descrip.	'629688/pir||S46210 3.0e-29 dehydroquinase shikimate dehydrogenase - Common tobacco >gi_535771 (L32794) dehydroquinate dehydratase/shikimate dehydrogenase [Nicotiana tabacum]'		
Seq. No.	56785	Seq. ID	OJ000403_04.0421.C14
Gene No.	118770	Strand	+
Start	2208	End	6284
Name	OJ000403_04.0421.C14.o1.tm	Method	TBLASTX:Maize
Start	2154	End	3797
GI	none	Score	170
Exons	2154..2195, 2250..2297, 2420..2470, 2468..2617, 2469..2621, 2493..2630, 2506..2631, 2779..2883, 3677..3784, 3685..3783,		

3689..3787, 3690..3797

Seq. No.	56785	Seq. ID	OJ000403_04.0421.C14
Gene No.	118770	Strand	+
Start	2208	End	6284
Name	OJ000403_04.0421.C14.o2.gs	Method	GENSCAN
Start	2208	End	5882
GI	none	Score	.71
Exons	2208..2293, 2516..2621, 2776..2862, 3680..3827, 3864..4048, 4428..4572, 4660..5882		

Seq. No.	56785	Seq. ID	OJ000403_04.0421.C14
Gene No.	118770	Strand	+
Start	2208	End	6284
Name	OJ000403_04.0421.C14.o1.np	Method	AAT/NAP
Start	2214	End	4048
GI	2160164	Score	148
Exons	2214..2293, 2423..2644, 3697..4048		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	56785	Seq. ID	OJ000403_04.0421.C14
Gene No.	118770	Strand	+
Start	2208	End	6284
Name	OJ000403_04.0421.C14.o1.tw	Method	TBLASTX:Wheat
Start	3772	End	4481
GI	none	Score	278
Exons	3772..3882, 3776..4048, 3780..4040, 3833..4048, 4375..4473, 4425..4481		

Seq. No.	56785	Seq. ID	OJ000403_04.0421.C14
Gene No.	118770	Strand	+
Start	2208	End	6284
Name	OJ000403_04.0421.C14.o2.tm	Method	TBLASTX:Maize
Start	5250	End	5599
GI	none	Score	115
Exons	5250..5405, 5250..5360, 5403..5456, 5458..5550, 5460..5546, 5570..5599		

Seq. No.	56785	Seq. ID	OJ000403_04.0421.C14
Gene No.	118770	Strand	+
Start	2208	End	6284
Name	OJ000403_04.0421.C14.o2.gp	Method	AAT/GAP
Start	5395	End	6284
GI	none	Score	1719
Exons	5395..6284		

Seq. No.	56786	Seq. ID	OJ000403_07.0421.C2
Gene No.	118771	Strand	+
Start	978	End	1349
Name	OJ000403_07.0421.C2.o1.gp	Method	AAT/GAP
Start	978	End	1349
GI	none	Score	395
Exons	978..1113, 1207..1349		

Seq. No.	56786	Seq. ID	OJ000403_07.0421.C2
Gene No.	118772	Strand	-
Start	774	End	1345

Name	OJ000403_07.0421.C2.o1.gs	Method	GENSCAN
Start	774	End	1345
GI	none	Score	.91
Exons	774..848, 1002..1242, 1293..1345		

Seq. No.	56787	Seq. ID	OJ000403_07.0421.C4
Gene No.	118773	Strand	-
Start	96	End	1797
Name	OJ000403_07.0421.C4.o1.gs	Method	GENSCAN
Start	96	End	1293
GI	none	Score	.49
Exons	96..195, 389..459, 553..672, 1169..1293		

Seq. No.	56787	Seq. ID	OJ000403_07.0421.C4
Gene No.	118773	Strand	-
Start	96	End	1797
Name	OJ000403_07.0421.C4.o1.np	Method	AAT/NAP
Start	388	End	1797
GI	2342679	Score	349
Exons	388..459, 553..658, 1167..1254, 1698..1797		
GI Descrip.	(AC000106) Similar to Vicia sativa ENBP1 (gb|X95995). [Arabidopsis thaliana]		

Seq. No.	56787	Seq. ID	OJ000403_07.0421.C4
Gene No.	118773	Strand	-
Start	96	End	1797
Name	OJ000403_07.0421.C4.o1.tw	Method	TBLASTX:Wheat
Start	398	End	1256
GI	none	Score	80
Exons	398..457, 398..457, 400..462, 405..461, 551..673, 552..683, 553..684, 553..684, 1142..1255, 1169..1255, 1170..1256		

Seq. No.	56788	Seq. ID	OJ000403_07.0421.C5
Gene No.	118774	Strand	-
Start	1	End	1102
Name	OJ000403_07.0421.C5.o1.np	Method	AAT/NAP
Start	1	End	1102
GI	2342679	Score	229
Exons	1..182, 636..1102		
GI Descrip.	(AC000106) Similar to Vicia sativa ENBP1 (gb|X95995). [Arabidopsis thaliana]		

Seq. No.	56788	Seq. ID	OJ000403_07.0421.C5
Gene No.	118774	Strand	-
Start	1	End	1102
Name	OJ000403_07.0421.C5.o1.gs	Method	GENSCAN
Start	21	End	1001
GI	none	Score	.57
Exons	21..182, 546..653, 672..1001		

Seq. No.	56788	Seq. ID	OJ000403_07.0421.C5
Gene No.	118774	Strand	-
Start	1	End	1102
Name	OJ000403_07.0421.C5.o1.ts	Method	TBLASTX:Soybean
Start	654	End	1019
GI	none	Score	83
Exons	654..872, 669..1019, 670..909, 866..997		

Seq. No.	56788	Seq. ID	OJ000403_07.0421.C5
Gene No.	118774	Strand	-
Start	1	End	1102
Name	OJ000403_07.0421.C5.o1.tm	Method	TBLASTX:Maize
Start	672	End	945
GI	none	Score	44
Exons	672..698, 672..698, 699..944,	700..912,	700..945

Seq. No.	56788	Seq. ID	OJ000403_07.0421.C5
Gene No.	118774	Strand	-
Start	1	End	1102
Name	OJ000403_07.0421.C5.o1.tc	Method	TBLASTX:Cress
Start	699	End	980
GI	none	Score	113
Exons	699..980, 700..909		

Seq. No.	56789	Seq. ID	OJ000403_07.0421.C7
Gene No.	118775	Strand	+
Start	924	End	1087
Name	OJ000403_07.0421.C7.o1.gp	Method	AAT/GAP
Start	924	End	1087
GI	63494_1.R1084	Score	301
Exons	924..1087		
GI Descrip.	'4558659/gb|AAD22677.1|AC007063_3 3.0e-32 (AC007063) unknown protein [Arabidopsis thaliana]'		

Seq. No.	56789	Seq. ID	OJ000403_07.0421.C7
Gene No.	118776	Strand	+
Start	999	End	1529
Name	OJ000403_07.0421.C7.o1.gs	Method	GENSCAN
Start	999	End	1248
GI	none	Score	.91
Exons	999..1085, 1173..1248		

Seq. No.	56789	Seq. ID	OJ000403_07.0421.C7
Gene No.	118776	Strand	+
Start	999	End	1529
Name	OJ000403_07.0421.C7.o1.np	Method	AAT/NAP
Start	1002	End	1529
GI	4558659	Score	67
Exons	1002..1094, 1502..1529		
GI Descrip.	(AC007063) putative cap-binding protein [Arabidopsis thaliana]		

Seq. No.	56790	Seq. ID	OJ000403_07.0421.C10
Gene No.	118777	Strand	-
Start	1	End	634
Name	OJ000403_07.0421.C10.o1.np	Method	AAT/NAP
Start	1	End	630
GI	3738294	Score	351
Exons	1..630		
GI Descrip.	(AC005309) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56790	Seq. ID	OJ000403_07.0421.C10
Gene No.	118777	Strand	-
Start	1	End	634
Name	OJ000403_07.0421.C10.o1.gs	Method	GENSCAN

Start	20	End	625
GI	none	Score	.96
Exons	20..625		

Seq. No.	56790	Seq. ID	OJ000403_07.0421.C10
Gene No.	118777	Strand	-
Start	1	End	634
Name	OJ000403_07.0421.C10.o1.tm	Method	TBLASTX:Maize
Start	342	End	610
GI	none	Score	117
Exons	342..461, 342..449, 344..472, 476..610, 483..578		

Seq. No.	56790	Seq. ID	OJ000403_07.0421.C10
Gene No.	118777	Strand	-
Start	1	End	634
Name	OJ000403_07.0421.C10.o1.ts	Method	TBLASTX:Soybean
Start	365	End	634
GI	none	Score	140
Exons	365..634, 366..623, 374..631		

Seq. No.	56791	Seq. ID	OJ000403_07.0421.C14
Gene No.	118778	Strand	+
Start	226	End	324
Name	OJ000403_07.0421.C14.o1.gs	Method	GENSCAN
Start	226	End	324
GI	none	Score	.65
Exons	226..324		

Seq. No.	56791	Seq. ID	OJ000403_07.0421.C14
Gene No.	118779	Strand	+
Start	226	End	923
Name	OJ000403_07.0421.C14.o1.gp	Method	AAT/GAP
Start	226	End	923
GI	63494_1.R1084	Score	167
Exons	226..285, 880..923		
GI Descrip.	'4558659/gb|AAD22677.1|AC007063_3 3.0e-32 (AC007063) unknown protein [Arabidopsis thaliana]'		

Seq. No.	56792	Seq. ID	OJ000403_07.0421.C15
Gene No.	118780	Strand	+
Start	517	End	4152
Name	OJ000403_07.0421.C15.o1.gs	Method	GENSCAN
Start	517	End	2899
GI	none	Score	.67
Exons	517..588, 734..796, 1639..1815, 2133..2312, 2346..2451, 2703..2899		

Seq. No.	56792	Seq. ID	OJ000403_07.0421.C15
Gene No.	118780	Strand	+
Start	517	End	4152
Name	OJ000403_07.0421.C15.o1.np	Method	AAT/NAP
Start	517	End	4152
GI	4558659	Score	564
Exons	517..600, 746..796, 1639..1815, 2187..2312, 2392..2461, 2703..2899, 3692..3762, 4083..4152		
GI Descrip.	(AC007063) putative cap-binding protein [Arabidopsis thaliana]		

Seq. No.	56793	Seq. ID	OJ000403_07.0421.C16
Gene No.	118781	Strand	+
Start	66	End	2605
Name	OJ000403_07.0421.C16.o1.gs	Method	GENSCAN
Start	66	End	2540
GI	none	Score	.82
Exons	66..284, 1219..1287, 1405..1524, 2062..2180, 2402..2540		

Seq. No.	56793	Seq. ID	OJ000403_07.0421.C16
Gene No.	118781	Strand	+
Start	66	End	2605
Name	OJ000403_07.0421.C16.o1.np	Method	AAT/NAP
Start	799	End	2605
GI	4558659	Score	505
Exons	799..901, 1219..1287, 2062..2180, 2402..2605		
GI Descrip.	(AC007063) putative cap-binding protein [Arabidopsis thaliana]		

Seq. No.	56793	Seq. ID	OJ000403_07.0421.C16
Gene No.	118781	Strand	+
Start	66	End	2605
Name	OJ000403_07.0421.C16.o1.ts	Method	TBLASTX:Soybean
Start	809	End	2548
GI	none	Score	126
Exons	809..907, 811..906, 1216..1305, 1218..1304, 2029..2178, 2035..2181, 2061..2180, 2384..2539, 2402..2548, 2403..2540, 2404..2547		

Seq. No.	56793	Seq. ID	OJ000403_07.0421.C16
Gene No.	118781	Strand	+
Start	66	End	2605
Name	OJ000403_07.0421.C16.o1.tm	Method	TBLASTX:Maize
Start	1215	End	2513
GI	none	Score	136
Exons	1215..1292, 1216..1305, 1217..1294, 2029..2157, 2035..2172, 2055..2177, 2060..2164, 2402..2506, 2403..2507, 2403..2513		

Seq. No.	56794	Seq. ID	OJ000403_07.0421.C17
Gene No.	118782	Strand	+
Start	1	End	91
Name	OJ000403_07.0421.C17.o1.gp	Method	AAT/GAP
Start	1	End	91
GI	2428025	Score	154
Exons	1..91		
GI Descrip.	4558659/gb|AAD22677.1|AC007063_3 1.0e-16 (AC007063) unknown protein [Arabidopsis thaliana]		

Seq. No.	56794	Seq. ID	OJ000403_07.0421.C17
Gene No.	118783	Strand	+
Start	627	End	1712
Name	OJ000403_07.0421.C17.o2.gp	Method	AAT/GAP
Start	627	End	1712
GI	35968_1.R1084	Score	966
Exons	627..694, 1259..1712		
GI Descrip.	'4558659/gb|AAD22677.1|AC007063_3 1.0e-16 (AC007063) unknown protein [Arabidopsis thaliana]'		

Seq. No.	56794	Seq. ID	OJ000403_07.0421.C17

Gene No.	118784	Strand	-
Start	2278	End	2630
Name	OJ000403_07.0421.C17.o3.gp	Method	AAT/GAP
Start	2278	End	2630
GI	none	Score	631
Exons	2278..2630		

Seq. No.	56795	Seq. ID	OJ000403_07.0421.C18
Gene No.	118785	Strand	-
Start	682	End	879
Name	OJ000403_07.0421.C18.o1.gs	Method	GENSCAN
Start	682	End	879
GI	none	Score	.98
Exons	682..879		

Seq. No.	56796	Seq. ID	OJ000403_07.0421.C19
Gene No.	118786	Strand	-
Start	752	End	9388
Name	OJ000403_07.0421.C19.o1.gs	Method	GENSCAN
Start	752	End	9388
GI	none	Score	.9
Exons	752..930, 1649..1806, 2143..2190, 3311..3471, 3566..5004, 5132..5544, 5947..7358, 7406..7771, 7850..8013, 8065..8137, 8823..8965, 9104..9182, 9284..9388		

Seq. No.	56796	Seq. ID	OJ000403_07.0421.C19
Gene No.	118787	Strand	-
Start	10386	End	10649
Name	OJ000403_07.0421.C19.o2.tm	Method	TBLASTX:Maize
Start	1713	End	3932
GI	none	Score	74
Exons	1713..1814, 1735..1815, 3305..3340, 3313..3348, 3343..3459, 3353..3460, 3357..3476, 3357..3473, 3566..3658, 3567..3659, 3657..3677, 3677..3931, 3678..3932		

Seq. No.	56796	Seq. ID	OJ000403_07.0421.C19
Gene No.	118787	Strand	-
Start	10386	End	10649
Name	OJ000403_07.0421.C19.o3.tm	Method	TBLASTX:Maize
Start	5924	End	6072
GI	none	Score	90
Exons	5924..6058, 5931..6071, 5935..6072		

Seq. No.	56796	Seq. ID	OJ000403_07.0421.C19
Gene No.	118787	Strand	-
Start	10386	End	10649
Name	OJ000403_07.0421.C19.o1.tm	Method	TBLASTX:Maize
Start	7005	End	7779
GI	none	Score	91
Exons	7005..7124, 7009..7119, 7051..7302, 7154..7306, 7155..7313, 7176..7307, 7403..7456, 7405..7605, 7410..7604, 7414..7605, 7574..7774, 7639..7755, 7651..7779, 7658..7774		

Seq. No.	56796	Seq. ID	OJ000403_07.0421.C19
Gene No.	118787	Strand	-
Start	10386	End	10649
Name	OJ000403_07.0421.C19.o2.gs	Method	GENSCAN

Start	10386	End	10649
GI	none	Score	.92
Exons	10386..10649		

Seq. No.	56797	Seq. ID	OJ000403_07.0421.C20
Gene No.	118788	Strand	-
Start	1	End	1786
Name	OJ000403_07.0421.C20.o1.np	Method	AAT/NAP
Start	1	End	1606
GI	1619602	Score	409
Exons	1..25, 525..671, 1004..1376, 1524..1606		
GI Descrip.	(Y08726) MtN3 [Medicago truncatula]		

Seq. No.	56797	Seq. ID	OJ000403_07.0421.C20
Gene No.	118788	Strand	-
Start	1	End	1786
Name	OJ000403_07.0421.C20.o1.gs	Method	GENSCAN
Start	552	End	1786
GI	none	Score	.71
Exons	552..671, 1004..1376, 1524..1560, 1750..1786		

Seq. No.	56797	Seq. ID	OJ000403_07.0421.C20
Gene No.	118789	Strand	-
Start	3867	End	5655
Name	OJ000403_07.0421.C20.o1.tc	Method	TBLASTX:Cress
Start	537	End	1376
GI	none	Score	94
Exons	537..662, 553..666, 1013..1246, 1292..1375, 1317..1376		

Seq. No.	56797	Seq. ID	OJ000403_07.0421.C20
Gene No.	118789	Strand	-
Start	3867	End	5655
Name	OJ000403_07.0421.C20.o1.ts	Method	TBLASTX:Soybean
Start	537	End	1376
GI	none	Score	83
Exons	537..662, 1010..1246, 1292..1375, 1317..1376		

Seq. No.	56797	Seq. ID	OJ000403_07.0421.C20
Gene No.	118789	Strand	-
Start	3867	End	5655
Name	OJ000403_07.0421.C20.o1.tm	Method	TBLASTX:Maize
Start	1148	End	1376
GI	none	Score	38
Exons	1148..1246, 1155..1244, 1292..1375, 1317..1376		

Seq. No.	56797	Seq. ID	OJ000403_07.0421.C20
Gene No.	118789	Strand	-
Start	3867	End	5655
Name	OJ000403_07.0421.C20.o2.gs	Method	GENSCAN
Start	3867	End	5655
GI	none	Score	.59
Exons	3867..3890, 4408..4447, 5540..5655		

Seq. No.	56798	Seq. ID	OJ000403_07.0421.C21
Gene No.	118790	Strand	-
Start	273	End	2074
Name	OJ000403_07.0421.C21.o1.gs	Method	GENSCAN

Start	273	End	2074
GI	none	Score	.51
Exons	273..417, 2058..2074		

Seq. No.	56799	Seq. ID	OJ000403_07.0421.C23
Gene No.	118791	Strand	+
Start	1	End	365
Name	OJ000403_07.0421.C23.o1.gp	Method	AAT/GAP
Start	1	End	365
GI	15172_2.R1084	Score	726
Exons	1..365		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	56800	Seq. ID	OJ000403_07.0421.C24
Gene No.	118792	Strand	+
Start	2986	End	3343
Name	OJ000403_07.0421.C24.o1.gs	Method	GENSCAN
Start	2986	End	3343
GI	none	Score	.6
Exons	2986..3059, 3302..3343		

Seq. No.	56800	Seq. ID	OJ000403_07.0421.C24
Gene No.	118793	Strand	-
Start	4904	End	6608
Name	OJ000403_07.0421.C24.o2.gs	Method	GENSCAN
Start	4904	End	6608
GI	none	Score	.55
Exons	4904..5005, 5457..5619, 6046..6155, 6227..6454, 6561..6608		

Seq. No.	56801	Seq. ID	OJ000403_07.0421.C25
Gene No.	118794	Strand	-
Start	650	End	960
Name	OJ000403_07.0421.C25.o1.gs	Method	GENSCAN
Start	650	End	960
GI	none	Score	.83
Exons	650..960		

Seq. No.	56802	Seq. ID	OJ000403_07.0421.C32
Gene No.	118795	Strand	
Start	7	End	264
Name	OJ000403_07.0421.C32.o1.tm	Method	TBLASTX:Maize
Start	7	End	264
GI	none	Score	60
Exons	7..99, 17..94, 103..168, 160..264		

Seq. No.	56802	Seq. ID	OJ000403_07.0421.C32
Gene No.	118795	Strand	
Start	7	End	264
Name	OJ000403_07.0421.C32.o1.tw	Method	TBLASTX:Wheat
Start	40	End	264
GI	none	Score	145
Exons	40..264, 41..259		

Seq. No.	56803	Seq. ID	OJ000403_07.0421.C35
Gene No.	118796	Strand	+
Start	1	End	3958

Name	OJ000403_07.0421.C35.o1.np	Method	AAT/NAP
Start	1	End	3958
GI	7228438	Score	1214
Exons	1..36, 122..535, 616..906, 1013..1279, 1372..1522, 2849..3270, 3928..3958		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	56803	Seq. ID	OJ000403_07.0421.C35
Gene No.	118796	Strand	+
Start	1	End	3958
Name	OJ000403_07.0421.C35.o1.gs	Method	GENSCAN
Start	122	End	3270
GI	none	Score	.63
Exons	122..344, 417..535, 616..862, 868..913, 1018..1279, 1372..1479, 1526..1627, 1743..1765, 1823..2265, 2329..2561, 2950..3270		

Seq. No.	56803	Seq. ID	OJ000403_07.0421.C35
Gene No.	118796	Strand	+
Start	1	End	3958
Name	OJ000403_07.0421.C35.o1.gp	Method	AAT/GAP
Start	1529	End	1958
GI	LIB3433-020-P1-K1-A6	Score	707
Exons	1529..1958		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	56804	Seq. ID	OJ000403_07.0421.C36
Gene No.	118797	Strand	-
Start	247	End	407
Name	OJ000403_07.0421.C36.o1.gs	Method	GENSCAN
Start	247	End	407
GI	none	Score	.5
Exons	247..407		

Seq. No.	56805	Seq. ID	OJ000403_07.0421.C37
Gene No.	118798	Strand	+
Start	37	End	454
Name	OJ000403_07.0421.C37.o1.gs	Method	GENSCAN
Start	37	End	454
GI	none	Score	.46
Exons	37..187, 324..454		

Seq. No.	56806	Seq. ID	OJ000403_07.0421.C38
Gene No.	118799	Strand	-
Start	782	End	957
Name	OJ000403_07.0421.C38.o1.gs	Method	GENSCAN
Start	782	End	957
GI	none	Score	.87
Exons	782..957		

Seq. No.	56807	Seq. ID	OJ000403_07.0421.C41
Gene No.	118800	Strand	+
Start	1	End	141
Name	OJ000403_07.0421.C41.o1.np	Method	AAT/NAP
Start	1	End	141

GI	5777617	Score	113
Exons	1..141		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	56807	Seq. ID	OJ000403_07.0421.C41
Gene No.	118801	Strand	+
Start	217	End	4662
Name	OJ000403_07.0421.C41.o1.gs	Method	GENSCAN
Start	217	End	4662
GI	none	Score	.62
Exons	217..579, 729..1124, 1168..1246, 2818..2944, 4278..4662		

Seq. No.	56807	Seq. ID	OJ000403_07.0421.C41
Gene No.	118801	Strand	+
Start	217	End	4662
Name	OJ000403_07.0421.C41.o3.np	Method	AAT/NAP
Start	705	End	2695
GI	100592	Score	312
Exons	705..1205, 2557..2695		
GI Descrip.	licheninase (EC 3.2.1.73) isoenzyme EIb precursor - barley gi|4688931|emb|CAB41402.1| (X56260) lichenase [Hordeum vulgare]		

Seq. No.	56807	Seq. ID	OJ000403_07.0421.C41
Gene No.	118802	Strand	-
Start	543	End	694
Name	OJ000403_07.0421.C41.o2.np	Method	AAT/NAP
Start	543	End	694
GI	7523483	Score	72
Exons	543..694		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	56808	Seq. ID	OJ000403_07.0421.C42
Gene No.	118803	Strand	+
Start	103	End	2466
Name	OJ000403_07.0421.C42.o1.np	Method	AAT/NAP
Start	103	End	2466
GI	2342679	Score	547
Exons	103..218, 1132..1241, 1301..1510, 1567..1627, 1705..1818, 1903..2210, 2244..2466		
GI Descrip.	(AC000106) Similar to Vicia sativa ENBP1 (gb|X95995). [Arabidopsis thaliana]		

Seq. No.	56808	Seq. ID	OJ000403_07.0421.C42
Gene No.	118803	Strand	+
Start	103	End	2466
Name	OJ000403_07.0421.C42.o1.ts	Method	TBLASTX:Soybean
Start	130	End	1498
GI	none	Score	43
Exons	130..150, 169..231, 1132..1242, 1133..1234, 1339..1491, 1353..1490, 1355..1498		

Seq. No.	56808	Seq. ID	OJ000403_07.0421.C42
Gene No.	118803	Strand	+
Start	103	End	2466
Name	OJ000403_07.0421.C42.o1.tm	Method	TBLASTX:Maize
Start	1418	End	2056
GI	none	Score	70

Exons	1418..1471, 1428..1475, 1429..1476, 1565..1621, 1566..1619, 1575..1625, 1691..1918, 1701..2042, 1705..2049, 1808..2047, 1934..2056		
Seq. No.	56808	Seq. ID	OJ000403_07.0421.C42
Gene No.	118803	Strand	+
Start	103	End	2466
Name	OJ000403_07.0421.C42.o1.gp	Method	AAT/GAP
Start	1680	End	1965
GI	1438559	Score	506
Exons	1680..1965		
Seq. No.	56808	Seq. ID	OJ000403_07.0421.C42
Gene No.	118803	Strand	+
Start	103	End	2466
Name	OJ000403_07.0421.C42.o2.ts	Method	TBLASTX:Soybean
Start	1972	End	2374
GI	none	Score	125
Exons	1972..2058, 1973..2110, 2225..2374		
Seq. No.	56809	Seq. ID	OJ000403_07.0421.C43
Gene No.	118804	Strand	+
Start	543	End	3706
Name	OJ000403_07.0421.C43.o1.np	Method	AAT/NAP
Start	543	End	3706
GI	3738295	Score	400
Exons	543..622, 2039..2302, 2400..2469, 3281..3410, 3623..3706		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		
Seq. No.	56809	Seq. ID	OJ000403_07.0421.C43
Gene No.	118804	Strand	+
Start	543	End	3706
Name	OJ000403_07.0421.C43.o1.tm	Method	TBLASTX:Maize
Start	2176	End	2471
GI	none	Score	189
Exons	2176..2304, 2183..2305, 2400..2471, 2407..2469		
Seq. No.	56809	Seq. ID	OJ000403_07.0421.C43
Gene No.	118804	Strand	+
Start	543	End	3706
Name	OJ000403_07.0421.C43.o1.ts	Method	TBLASTX:Soybean
Start	2179	End	3393
GI	none	Score	139
Exons	2179..2307, 2186..2305, 2400..2471, 3273..3392, 3279..3374, 3280..3393, 3284..3379		
Seq. No.	56810	Seq. ID	OJ000403_07.0421.C44
Gene No.	118805	Strand	+
Start	336	End	1864
Name	OJ000403_07.0421.C44.o1.np	Method	AAT/NAP
Start	336	End	1864
GI	3738295	Score	259
Exons	336..422, 519..581, 721..836, 1033..1179, 1568..1677, 1768..1864		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		
Seq. No.	56810	Seq. ID	OJ000403_07.0421.C44
Gene No.	118806	Strand	+

Start	2127	End	2553
Name	OJ000403_07.0421.C44.o1.tm	Method	TBLASTX:Maize
Start	336	End	1539
GI	none	Score	123
Exons	336..422, 336..422, 337..426, 518..583, 519..587, 676..825, 708..851, 720..824, 1359..1505, 1407..1508, 1408..1512, 1408..1539		

Seq. No.	56810	Seq. ID	OJ000403_07.0421.C44
Gene No.	118806	Strand	+
Start	2127	End	2553
Name	OJ000403_07.0421.C44.o1.ts	Method	TBLASTX:Soybean
Start	518	End	829
GI	none	Score	97
Exons	518..583, 519..584, 697..825, 708..827, 719..829, 720..824		

Seq. No.	56810	Seq. ID	OJ000403_07.0421.C44
Gene No.	118806	Strand	+
Start	2127	End	2553
Name	OJ000403_07.0421.C44.o1.gp	Method	AAT/GAP
Start	2127	End	2553
GI	LIB3432-059-P1-K1-D8	Score	718
Exons	2127..2553		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	56811	Seq. ID	OJ000403_07.0421.C45
Gene No.	118807	Strand	+
Start	1854	End	3487
Name	OJ000403_07.0421.C45.o2.gs	Method	GENSCAN
Start	1854	End	3487
GI	none	Score	.61
Exons	1854..1875, 2146..2355, 2361..2499, 2713..2902, 3365..3487		

Seq. No.	56811	Seq. ID	OJ000403_07.0421.C45
Gene No.	118808	Strand	-
Start	1	End	3333
Name	OJ000403_07.0421.C45.o1.np	Method	AAT/NAP
Start	1	End	3333
GI	3738294	Score	77
Exons	1..244, 3278..3333		
GI Descrip.	(AC005309) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56811	Seq. ID	OJ000403_07.0421.C45
Gene No.	118808	Strand	-
Start	1	End	3333
Name	OJ000403_07.0421.C45.o1.gs	Method	GENSCAN
Start	10	End	1046
GI	none	Score	.94
Exons	10..503, 990..1046		

Seq. No.	56811	Seq. ID	OJ000403_07.0421.C45
Gene No.	118808	Strand	-
Start	1	End	3333
Name	OJ000403_07.0421.C45.o2.np	Method	AAT/NAP
Start	1720	End	1924
GI	6539571	Score	63

Exons	1720..1924		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	56811	Seq. ID	OJ000403_07.0421.C45
Gene No.	118809	Strand	-
Start	5751	End	7019
Name	OJ000403_07.0421.C45.o3.np	Method	AAT/NAP
Start	5751	End	7019
GI	6815099	Score	86
Exons	5751..5893, 6995..7019		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	56812	Seq. ID	OJ000403_07.0421.C46
Gene No.	118810	Strand	-
Start	1505	End	4096
Name	OJ000403_07.0421.C46.o1.gs	Method	GENSCAN
Start	1505	End	4096
GI	none	Score	.44
Exons	1505..1711, 2477..2665, 3078..3177, 3981..4096		
Seq. No.	56813	Seq. ID	OJ000403_07.0421.C47
Gene No.	118811	Strand	+
Start	851	End	925
Name	OJ000403_07.0421.C47.o1.gs	Method	GENSCAN
Start	851	End	925
GI	none	Score	.61
Exons	851..925		
Seq. No.	56814	Seq. ID	OJ000403_07.0421.C49
Gene No.	118812	Strand	-
Start	1	End	77
Name	OJ000403_07.0421.C49.o1.gp	Method	AAT/GAP
Start	1	End	77
GI	5867_1.R1084	Score	135
Exons	1..77		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		
Seq. No.	56814	Seq. ID	OJ000403_07.0421.C49
Gene No.	118813	Strand	-
Start	729	End	1093
Name	OJ000403_07.0421.C49.o2.gp	Method	AAT/GAP
Start	636	End	954
GI	5005293	Score	525
Exons	636..954		
Seq. No.	56814	Seq. ID	OJ000403_07.0421.C49
Gene No.	118813	Strand	-
Start	729	End	1093
Name	OJ000403_07.0421.C49.o1.gs	Method	GENSCAN
Start	729	End	975
GI	none	Score	.64

Exons	729..791, 865..975		
Seq. No.	56814	Seq. ID	OJ000403_07.0421.C49
Gene No.	118813	Strand	-
Start	729	End	1093
Name	OJ000403_07.0421.C49.o1.ts	Method	TBLASTX:Soybean
Start	823	End	1083
GI	none	Score	58
Exons	823..948, 854..949, 964..1083		
Seq. No.	56814	Seq. ID	OJ000403_07.0421.C49
Gene No.	118813	Strand	-
Start	729	End	1093
Name	OJ000403_07.0421.C49.o1.np	Method	AAT/NAP
Start	853	End	1093
GI	7486668	Score	166
Exons	853..1093		
GI Descrip.	hypothetical protein F8F16.200 - Arabidopsis thaliana gi|2827533|emb|CAA16541.1| (AL021633) hypothetical protein [Arabidopsis thaliana] gi|7270040|emb|CAB79856.1| (AL161578) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	56814	Seq. ID	OJ000403_07.0421.C49
Gene No.	118813	Strand	-
Start	729	End	1093
Name	OJ000403_07.0421.C49.o1.tc	Method	TBLASTX:Cress
Start	856	End	1083
GI	none	Score	69
Exons	856..1083, 857..952		
Seq. No.	56814	Seq. ID	OJ000403_07.0421.C49
Gene No.	118813	Strand	-
Start	729	End	1093
Name	OJ000403_07.0421.C49.o1.tm	Method	TBLASTX:Maize
Start	883	End	1092
GI	none	Score	107
Exons	883..1092, 884..961		
Seq. No.	56815	Seq. ID	OJ000323_08.0419.C3
Gene No.	118814	Strand	+
Start	1765	End	2972
Name	OJ000323_08.0419.C3.o1.gp	Method	AAT/GAP
Start	1765	End	2272
GI	LIB3434-041-P1-K1-A10	Score	781
Exons	1765..2091, 2187..2272		
GI Descrip.	'2129770/pir||S71224 2.0e-32 xyloglucan endotransglycosylase-related protein XTR-2 - Arabidopsis thaliana >gi_1244756 (U43487) xyloglucan endotransglycosylase-related protein [Arabidopsis thaliana] >gi_2154611_dbj_BAA20290_ (D63510) endoxyloglucan transferase related protein [Arabidopsis thaliana] >gi_5533311_gb_AAD45124.1_AF163820_1 (AF163820) endoxyloglucan transferase [Ara'		
Seq. No.	56815	Seq. ID	OJ000323_08.0419.C3
Gene No.	118814	Strand	+
Start	1765	End	2972

Name	OJ000323_08.0419.C3.o1.gs	Method	GENSCAN
Start	1792	End	2972
GI	none	Score	.99
Exons	1792..2091, 2187..2972		

Seq. No.	56815	Seq. ID	OJ000323_08.0419.C3
Gene No.	118814	Strand	+
Start	1765	End	2972
Name	OJ000323_08.0419.C3.o1.np	Method	AAT/NAP
Start	1810	End	2954
GI	2129774	Score	817
Exons	1810..2091, 2187..2954		
GI Descrip.	xyloglucan endotransglycosylase-related protein XTR4 - Arabidopsis thaliana (fragment) gi|1244754 (U43486) xyloglucan endotransglycosylase-related protein [Arabidopsis thaliana]		

Seq. No.	56815	Seq. ID	OJ000323_08.0419.C3
Gene No.	118815	Strand	+
Start	2966	End	3108
Name	OJ000323_08.0419.C3.o1.tc	Method	TBLASTX:Cress
Start	1876	End	2825
GI	none	Score	238
Exons	1876..2094, 1950..2090, 2187..2678, 2189..2593, 2757..2825		

Seq. No.	56815	Seq. ID	OJ000323_08.0419.C3
Gene No.	118815	Strand	+
Start	2966	End	3108
Name	OJ000323_08.0419.C3.o1.ts	Method	TBLASTX:Soybean
Start	1879	End	2849
GI	none	Score	229
Exons	1879..2091, 1932..2090, 2189..2599, 2190..2660, 2705..2833, 2757..2849		

Seq. No.	56815	Seq. ID	OJ000323_08.0419.C3
Gene No.	118815	Strand	+
Start	2966	End	3108
Name	OJ000323_08.0419.C3.o2.tm	Method	TBLASTX:Maize
Start	1881	End	2099
GI	none	Score	252
Exons	1881..2099, 1882..2091		

Seq. No.	56815	Seq. ID	OJ000323_08.0419.C3
Gene No.	118815	Strand	+
Start	2966	End	3108
Name	OJ000323_08.0419.C3.o1.tm	Method	TBLASTX:Maize
Start	2190	End	2852
GI	none	Score	515
Exons	2190..2618, 2195..2614, 2705..2824, 2757..2792, 2793..2852		

Seq. No.	56815	Seq. ID	OJ000323_08.0419.C3
Gene No.	118815	Strand	+
Start	2966	End	3108
Name	OJ000323_08.0419.C3.o2.gp	Method	AAT/GAP
Start	2966	End	3108
GI	LIB3433-011-Q6-K1-H5	Score	221
Exons	2966..3108		
GI Descrip.	'218144/dbj|D12637|RICATADPT 7.0e-11 Rice mRNA for ATP/ADP		

translocator, complete cds'

Seq. No.	56816	Seq. ID	OJ000323_08.0419.C4
Gene No.	118816	Strand	-
Start	18	End	1670
Name	OJ000323_08.0419.C4.o1.np	Method	AAT/NAP
Start	18	End	1670
GI	729775	Score	751
Exons	18..1257, 1650..1670		
GI Descrip.	HEAT SHOCK FACTOR PROTEIN HSF8 (HEAT SHOCK TRANSCRIPTION FACTOR 8) (HSTF 8) (HEAT STRESS TRANSCRIPTION FACTOR) gi|100264|pir||S25481 heat shock transcription factor 8 - Peruvian tomato gi|19492|emb|CAA47869| (X67600) heat shock transcription factor 8 [Lycopersicon peruvianum]		

Seq. No.	56816	Seq. ID	OJ000323_08.0419.C4
Gene No.	118816	Strand	-
Start	18	End	1670
Name	OJ000323_08.0419.C4.o1.gs	Method	GENSCAN
Start	25	End	1257
GI	none	Score	.97
Exons	25..1257		

Seq. No.	56816	Seq. ID	OJ000323_08.0419.C4
Gene No.	118816	Strand	-
Start	18	End	1670
Name	OJ000323_08.0419.C4.o1.tc	Method	TBLASTX:Cress
Start	40	End	1266
GI	none	Score	44
Exons	40..84, 181..219, 559..669, 607..813, 677..766, 814..873, 820..1257, 866..925, 1015..1266		

Seq. No.	56816	Seq. ID	OJ000323_08.0419.C4
Gene No.	118816	Strand	-
Start	18	End	1670
Name	OJ000323_08.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	40	End	1068
GI	none	Score	97
Exons	40..108, 41..109, 133..234, 139..237, 220..279, 233..280, 301..399, 302..427, 408..647, 415..660, 416..661, 649..786, 658..795, 662..796, 778..1068, 782..925, 1015..1068		

Seq. No.	56816	Seq. ID	OJ000323_08.0419.C4
Gene No.	118816	Strand	-
Start	18	End	1670
Name	OJ000323_08.0419.C4.o2.ts	Method	TBLASTX:Soybean
Start	601	End	834
GI	none	Score	89
Exons	601..834, 659..784, 709..834		

Seq. No.	56816	Seq. ID	OJ000323_08.0419.C4
Gene No.	118816	Strand	-
Start	18	End	1670
Name	OJ000323_08.0419.C4.o1.gp	Method	AAT/GAP
Start	720	End	1189
GI	LIB3474-012-P1-K1-B8	Score	881
Exons	720..1189		

GI Descrip.	'729775/sp|P41153|HSF8_LYCPE 4.0e-34 HEAT SHOCK FACTOR PROTEIN HSF8 (HEAT SHOCK TRANSCRIPTION FACTOR 8) (HSTF 8) (HEAT STRESS TRANSCRIPTION FACTOR) >gi_100264_pir__S25481 heat shock transcription factor 8 - Peruvian tomato >gi_19492_emb_CAA47869_ (X67600) heat shock transcription factor 8 [Lycopersicon peruvianum]'		

Seq. No.	56816	Seq. ID	OJ000323_08.0419.C4
Gene No.	118816	Strand	-
Start	18	End	1670
Name	OJ000323_08.0419.C4.o1.ts	Method	TBLASTX:Soybean
Start	841	End	1258
GI	none	Score	54
Exons	841..921, 844..1095, 869..925, 917..1096, 918..1058, 1015..1158, 1144..1257, 1151..1258		

Seq. No.	56816	Seq. ID	OJ000323_08.0419.C4
Gene No.	118816	Strand	-
Start	18	End	1670
Name	OJ000323_08.0419.C4.o2.tm	Method	TBLASTX:Maize
Start	1095	End	1274
GI	none	Score	48
Exons	1095..1148, 1144..1257, 1158..1244, 1160..1258, 1161..1274		

Seq. No.	56817	Seq. ID	OJ000323_08.0419.C5
Gene No.	118817	Strand	-
Start	1	End	508
Name	OJ000323_08.0419.C5.o1.np	Method	AAT/NAP
Start	1	End	508
GI	729775	Score	272
Exons	1..37, 201..508		
GI Descrip.	HEAT SHOCK FACTOR PROTEIN HSF8 (HEAT SHOCK TRANSCRIPTION FACTOR 8) (HSTF 8) (HEAT STRESS TRANSCRIPTION FACTOR) gi|100264|pir||S25481 heat shock transcription factor 8 - Peruvian tomato gi|19492|emb|CAA47869| (X67600) heat shock transcription factor 8 [Lycopersicon peruvianum]		

Seq. No.	56817	Seq. ID	OJ000323_08.0419.C5
Gene No.	118817	Strand	-
Start	1	End	508
Name	OJ000323_08.0419.C5.o1.gs	Method	GENSCAN
Start	201	End	492
GI	none	Score	1
Exons	201..492		

Seq. No.	56817	Seq. ID	OJ000323_08.0419.C5
Gene No.	118817	Strand	-
Start	1	End	508
Name	OJ000323_08.0419.C5.o1.tc	Method	TBLASTX:Cress
Start	202	End	391
GI	none	Score	152
Exons	202..390, 260..391		

Seq. No.	56817	Seq. ID	OJ000323_08.0419.C5
Gene No.	118817	Strand	-
Start	1	End	508
Name	OJ000323_08.0419.C5.o1.tm	Method	TBLASTX:Maize

Start	202	End	405
GI	none	Score	73
Exons	202..405, 237..305, 260..391		

Seq. No.	56817	Seq. ID	OJ000323_08.0419.C5
Gene No.	118817	Strand	-
Start	1	End	508
Name	OJ000323_08.0419.C5.o1.ts	Method	TBLASTX:Soybean
Start	202	End	399
GI	none	Score	76
Exons	202..399, 237..344, 260..394		

Seq. No.	56817	Seq. ID	OJ000323_08.0419.C5
Gene No.	118817	Strand	-
Start	1	End	508
Name	OJ000323_08.0419.C5.o1.tw	Method	TBLASTX:Wheat
Start	202	End	405
GI	none	Score	82
Exons	202..405, 237..335, 260..391		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118818	Strand	+
Start	3309	End	5440
Name	OJ000323_08.0419.C6.o2.gs	Method	GENSCAN
Start	3309	End	5440
GI	none	Score	.86
Exons	3309..3528, 3623..3723, 4059..4120, 4690..4771, 5099..5228, 5337..5440		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118818	Strand	+
Start	3309	End	5440
Name	OJ000323_08.0419.C6.o2.np	Method	AAT/NAP
Start	3351	End	4858
GI	3805760	Score	137
Exons	3351..3575, 3623..3723, 4799..4858		
GI Descrip.	(AC005693) unknown protein [Arabidopsis thaliana]		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118819	Strand	+
Start	6901	End	15734
Name	OJ000323_08.0419.C6.o1.gp	Method	AAT/GAP
Start	6791	End	8084
GI	28872_1.R1084	Score	838
Exons	6791..6969, 7065..7183, 7915..8084		
GI Descrip.	'2894598/emb|CAA17132.1| 4.0e-49 (AL021889) putative protein [Arabidopsis thaliana]'		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118819	Strand	+
Start	6901	End	15734
Name	OJ000323_08.0419.C6.o3.np	Method	AAT/NAP
Start	6892	End	15734
GI	7487780	Score	924
Exons	6892..6969, 7065..7183, 7915..8188, 8216..8371, 8504..8764, 9155..9277, 9484..9588, 9757..9851, 12585..12787, 15716..15734		
GI Descrip.	hypothetical protein T6K21.70 - Arabidopsis thaliana		

gi|2894598|emb|CAA17132.1| (AL021889) putative protein [Arabidopsis thaliana] gi|7268541|emb|CAB78791.1| (AL161547) putative protein [Arabidopsis thaliana]

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118819	Strand	+
Start	6901	End	15734
Name	OJ000323_08.0419.C6.o3.gs	Method	GENSCAN
Start	6901	End	9861
GI	none	Score	.93
Exons	6901..6969, 7017..7183, 7915..8371, 8504..8764, 9155..9277, 9484..9588, 9784..9861		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118819	Strand	+
Start	6901	End	15734
Name	OJ000323_08.0419.C6.o2.gp	Method	AAT/GAP
Start	8553	End	9011
GI	LIB3434-033-P1-K1-F1	Score	801
Exons	8553..9011		
GI Descrip.	'2894598/emb|CAA17132.1| 7.0e-09 (AL021889) putative protein [Arabidopsis thaliana]'		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118819	Strand	+
Start	6901	End	15734
Name	OJ000323_08.0419.C6.o5.np	Method	AAT/NAP
Start	12335	End	14586
GI	7486435	Score	566
Exons	12335..12521, 12654..12708, 12807..12986, 13170..13376, 13484..13549, 13745..13837, 13927..13983, 14497..14586		
GI Descrip.	hypothetical protein F4I1.32 - Arabidopsis thaliana gi|3128193|gb|AAC16097.1| (AC004521) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118819	Strand	+
Start	6901	End	15734
Name	OJ000323_08.0419.C6.o5.gs	Method	GENSCAN
Start	12349	End	14592
GI	none	Score	.91
Exons	12349..12490, 12569..12708, 12798..13070, 13167..13376, 13484..13549, 13745..13837, 13927..13983, 14497..14592		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118820	Strand	+
Start	17463	End	20330
Name	OJ000323_08.0419.C6.o7.gs	Method	GENSCAN
Start	17463	End	20330
GI	none	Score	1
Exons	17463..20330		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118820	Strand	+
Start	17463	End	20330
Name	OJ000323_08.0419.C6.o6.gp	Method	AAT/GAP
Start	18993	End	19491

GI	none	Score	926
Exons	18993..19491		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118821	Strand	-
Start	76	End	3634
Name	OJ000323_08.0419.C6.o1.np	Method	AAT/NAP
Start	76	End	3634
GI	7492926	Score	143
Exons	76..426, 856..949, 1049..1194, 1311..1380, 2358..2410, 2493..2575, 3518..3634		
GI Descrip.	probable RNA-binding protein - fission yeast (Schizosaccharomyces pombe) gi|2462671|emb|CAB11047.1| (Z98529) putative RNA-binding protein [Schizosaccharomyces pombe]		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118821	Strand	-
Start	76	End	3634
Name	OJ000323_08.0419.C6.o1.gs	Method	GENSCAN
Start	103	End	2990
GI	none	Score	.83
Exons	103..552, 856..984, 1072..1194, 1311..1380, 2358..2416, 2496..2990		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118822	Strand	-
Start	9708	End	10194
Name	OJ000323_08.0419.C6.o3.gp	Method	AAT/GAP
Start	9708	End	10194
GI	none	Score	860
Exons	9708..10194		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118823	Strand	-
Start	11462	End	12079
Name	OJ000323_08.0419.C6.o4.gp	Method	AAT/GAP
Start	11458	End	12079
GI	none	Score	1169
Exons	11458..12079		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118823	Strand	-
Start	11462	End	12079
Name	OJ000323_08.0419.C6.o4.gs	Method	GENSCAN
Start	11462	End	12028
GI	none	Score	1
Exons	11462..12028		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118823	Strand	-
Start	11462	End	12079
Name	OJ000323_08.0419.C6.o4.np	Method	AAT/NAP
Start	11465	End	11971
GI	6728970	Score	466
Exons	11465..11971		
GI Descrip.	(AC018363) unknown protein [Arabidopsis thaliana]		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118824	Strand	-
Start	15499	End	17083
Name	OJ000323_08.0419.C6.o6.gs	Method	GENSCAN
Start	15499	End	17061
GI	none	Score	.68
Exons	15499..16175, 16956..17061		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118824	Strand	-
Start	15499	End	17083
Name	OJ000323_08.0419.C6.o6.np	Method	AAT/NAP
Start	15502	End	16256
GI	4510390	Score	646
Exons	15502..16072, 16113..16256		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118824	Strand	-
Start	15499	End	17083
Name	OJ000323_08.0419.C6.o5.gp	Method	AAT/GAP
Start	15799	End	17083
GI	none	Score	826
Exons	15799..16175, 16956..17083		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o8.tm	Method	TBLASTX:Maize
Start	101	End	421
GI	none	Score	83
Exons	101..217, 102..209, 104..214, 105..224, 256..417, 258..416, 259..417, 260..421		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o5.ts	Method	TBLASTX:Soybean
Start	484	End	2612
GI	4300038	Score	87
Exons	484..555, 854..964, 856..987, 1070..1129, 1072..1158, 1132..1182, 1133..1177, 2526..2612		
GI Descrip.	2462671/emb_CAB11047_ 1.0e-09 (Z98529) putative RNA-binding protein [Schizosaccharomyces pombe]		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o3.tm	Method	TBLASTX:Maize
Start	854	End	2636
GI	none	Score	138
Exons	854..976, 856..987, 1070..1195, 1072..1194, 1311..1379, 1311..1382, 1315..1383, 2271..2384, 2360..2416, 2467..2610, 2491..2610, 2496..2636		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-

Start	20069	End	20525
Name	OJ000323_08.0419.C6.o2.tm	Method	TBLASTX:Maize
Start	3296	End	5400
GI	none	Score	363
Exons	3296..3532, 3297..3530, 3394..3534, 3621..3683, 3621..3761, 3622..3726, 4569..4640, 4574..4639, 4700..4771, 4713..4775, 5095..5226, 5096..5227, 5309..5398, 5335..5400, 5335..5400		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o1.ts	Method	TBLASTX:Soybean
Start	3299	End	3726
GI	none	Score	297
Exons	3299..3529, 3300..3530, 3309..3530, 3391..3564, 3621..3716, 3622..3726		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o4.tc	Method	TBLASTX:Cress
Start	3377	End	4771
GI	none	Score	200
Exons	3377..3529, 3378..3530, 3621..3761, 3622..3726, 4569..4640, 4571..4639, 4700..4771		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o5.tc	Method	TBLASTX:Cress
Start	6892	End	8116
GI	none	Score	82
Exons	6892..6972, 6901..6969, 7059..7184, 7070..7186, 7903..8106, 7907..8116		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o4.ts	Method	TBLASTX:Soybean
Start	6894	End	7186
GI	none	Score	70
Exons	6894..6965, 6901..6972, 6901..6975, 7059..7184, 7064..7186		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o1.tm	Method	TBLASTX:Maize
Start	6895	End	9223
GI	none	Score	80
Exons	6895..6972, 6904..6975, 7059..7184, 7064..7186, 7906..8106, 7907..8110, 8105..8272, 8107..8238, 8293..8370, 8293..8379, 8494..8529, 8501..8602, 8502..8561, 8570..8647, 8650..8724, 8651..8767, 9152..9223		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525

Name	OJ000323_08.0419.C6.o3.ts	Method	TBLASTX:Soybean
Start	7930	End	9846
GI	none	Score	297
Exons	7930..8238, 7931..8239, 8501..8542, 8525..8728, 8566..8652, 8607..8747, 8677..8736, 8679..8759, 9152..9238, 9154..9243, 9754..9846, 9765..9845		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o2.tw	Method	TBLASTX:Wheat
Start	8505	End	8728
GI	none	Score	230
Exons	8505..8549, 8507..8623, 8513..8728, 8572..8724		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o2.tc	Method	TBLASTX:Cress
Start	11474	End	11954
GI	none	Score	150
Exons	11474..11635, 11657..11737, 11735..11953, 11742..11954		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o5.tm	Method	TBLASTX:Maize
Start	11654	End	11954
GI	none	Score	60
Exons	11654..11776, 11664..11777, 11777..11953, 11778..11954		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o2.ts	Method	TBLASTX:Soybean
Start	11675	End	11954
GI	none	Score	135
Exons	11675..11719, 11708..11953, 11748..11954		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o6.tm	Method	TBLASTX:Maize
Start	15464	End	15706
GI	none	Score	68
Exons	15464..15529, 15466..15534, 15532..15705, 15536..15706		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o1.tc	Method	TBLASTX:Cress
Start	15493	End	15986
GI	none	Score	417
Exons	15493..15537, 15535..15978, 15536..15955, 15538..15981, 15699..15986		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6

Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o4.tm	Method	TBLASTX:Maize
Start	15732	End	17073
GI	none	Score	418
Exons	15732..16022, 15733..16176, 15737..16177, 16062..16178, 16935..17006, 16960..17073, 16960..17067		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o1.tw	Method	TBLASTX:Wheat
Start	15824	End	16134
GI	none	Score	293
Exons	15824..16132, 15824..16132, 15826..16134, 15826..16134		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o6.ts	Method	TBLASTX:Soybean
Start	18635	End	18902
GI	none	Score	198
Exons	18635..18901, 18666..18902		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o3.tc	Method	TBLASTX:Cress
Start	19514	End	19879
GI	none	Score	396
Exons	19514..19870, 19515..19877, 19670..19879		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o7.tm	Method	TBLASTX:Maize
Start	19646	End	19856
GI	none	Score	266
Exons	19646..19855, 19647..19856		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o7.gp	Method	AAT/GAP
Start	20069	End	20525
GI	none	Score	898
Exons	20069..20525		

Seq. No.	56818	Seq. ID	OJ000323_08.0419.C6
Gene No.	118825	Strand	-
Start	20069	End	20525
Name	OJ000323_08.0419.C6.o9.tm	Method	TBLASTX:Maize
Start	20159	End	20336
GI	none	Score	224
Exons	20159..20332, 20160..20336, 20166..20333		

Seq. No.	56819	Seq. ID	OJ000323_08.0419.C7

Gene No.	118826	Strand	+
Start	3083	End	3246
Name	OJ000323_08.0419.C7.o1.gp	Method	AAT/GAP
Start	3083	End	3246
GI	40498_1.R1084	Score	259
Exons	3083..3246		
GI Descrip.	'2764574/emb|CAA04468| 1.0e-15 (AJ001009) pore protein of 24 kD (OEP24) [Pisum sativum]'		

Seq. No.	56819	Seq. ID	OJ000323_08.0419.C7
Gene No.	118827	Strand	-
Start	3031	End	3853
Name	OJ000323_08.0419.C7.o1.np	Method	AAT/NAP
Start	3031	End	3789
GI	7488821	Score	384
Exons	3031..3489, 3586..3789		
GI Descrip.	pore protein 24K chain - garden pea gi|2764574|emb|CAA04468.1| (AJ001009) pore protein of 24 kD (OEP24) [Pisum sativum]		

Seq. No.	56819	Seq. ID	OJ000323_08.0419.C7
Gene No.	118827	Strand	-
Start	3031	End	3853
Name	OJ000323_08.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	3079	End	3853
GI	none	Score	302
Exons	3079..3387, 3098..3397, 3362..3490, 3385..3492, 3457..3492, 3586..3708, 3593..3709, 3688..3789, 3752..3853		

Seq. No.	56819	Seq. ID	OJ000323_08.0419.C7
Gene No.	118827	Strand	-
Start	3031	End	3853
Name	OJ000323_08.0419.C7.o1.ts	Method	TBLASTX:Soybean
Start	3178	End	3798
GI	none	Score	74
Exons	3178..3294, 3277..3381, 3418..3492, 3604..3708, 3605..3694, 3751..3798, 3752..3793		

Seq. No.	56819	Seq. ID	OJ000323_08.0419.C7
Gene No.	118827	Strand	-
Start	3031	End	3853
Name	OJ000323_08.0419.C7.o2.gp	Method	AAT/GAP
Start	3323	End	3850
GI	29047_1.R1084	Score	780
Exons	3323..3489, 3586..3850		
GI Descrip.	'2764574/emb|CAA04468| 3.0e-22 (AJ001009) pore protein of 24 kD (OEP24) [Pisum sativum]'		

Seq. No.	56820	Seq. ID	OJ000323_08.0419.C8
Gene No.	118828	Strand	+
Start	6046	End	6100
Name	OJ000323_08.0419.C8.o1.gp	Method	AAT/GAP
Start	6046	End	6100
GI	none	Score	70
Exons	6046..6100		

Seq. No.	56820	Seq. ID	OJ000323_08.0419.C8
Gene No.	118829	Strand	-

Start	1	End	3504
Name	OJ000323_08.0419.C8.o1.np	Method	AAT/NAP
Start	1	End	3504
GI	7339707	Score	103
Exons	1..38, 210..511, 2082..2207, 2600..3002, 3334..3504		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	56820	Seq. ID	OJ000323_08.0419.C8
Gene No.	118830	Strand	-
Start	8207	End	11981
Name	OJ000323_08.0419.C8.o2.np	Method	AAT/NAP
Start	8207	End	11981
GI	6069646	Score	95
Exons	8207..8426, 9538..9571, 11908..11981		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9
Gene No.	118831	Strand	+
Start	1	End	6171
Name	OJ000323_08.0419.C9.o1.np	Method	AAT/NAP
Start	1	End	6168
GI	7228457	Score	3108
Exons	1..52, 1354..2915, 2970..4616, 4683..6168		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9
Gene No.	118831	Strand	+
Start	1	End	6171
Name	OJ000323_08.0419.C9.o1.gs	Method	GENSCAN
Start	35	End	6171
GI	none	Score	.67
Exons	35..644, 833..1380, 1425..2924, 3093..3892, 4091..4476, 4534..5313, 5418..5569, 5758..6171		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9
Gene No.	118832	Strand	+
Start	10256	End	12353
Name	OJ000323_08.0419.C9.o4.np	Method	AAT/NAP
Start	10256	End	12353
GI	7523517	Score	239
Exons	10256..10556, 10701..10805, 12309..12353		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9
Gene No.	118833	Strand	-
Start	6789	End	10573
Name	OJ000323_08.0419.C9.o5.tm	Method	TBLASTX:Maize
Start	1416	End	1655
GI	none	Score	186
Exons	1416..1655		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9
Gene No.	118833	Strand	-
Start	6789	End	10573
Name	OJ000323_08.0419.C9.o7.tw	Method	TBLASTX:Wheat
Start	1419	End	1817
GI	none	Score	268
Exons	1419..1817, 1433..1471, 1544..1726		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9
Gene No.	118833	Strand	-
Start	6789	End	10573
Name	OJ000323_08.0419.C9.o3.tw	Method	TBLASTX:Wheat
Start	2400	End	2855
GI	none	Score	152
Exons	2400..2582, 2408..2509, 2619..2855, 2621..2737, 2631..2840, 2780..2845		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9
Gene No.	118833	Strand	-
Start	6789	End	10573
Name	OJ000323_08.0419.C9.o1.tw	Method	TBLASTX:Wheat
Start	3047	End	9504
GI	none	Score	554
Exons	3047..3502, 3048..3503, 9409..9504		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9
Gene No.	118833	Strand	-
Start	6789	End	10573
Name	OJ000323_08.0419.C9.o2.ts	Method	TBLASTX:Soybean
Start	3087	End	3452
GI	none	Score	100
Exons	3087..3311, 3318..3452		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9
Gene No.	118833	Strand	-
Start	6789	End	10573
Name	OJ000323_08.0419.C9.o1.tm	Method	TBLASTX:Maize
Start	3177	End	3533
GI	none	Score	414
Exons	3177..3533, 3231..3479, 3239..3505		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9
Gene No.	118833	Strand	-
Start	6789	End	10573
Name	OJ000323_08.0419.C9.o3.tm	Method	TBLASTX:Maize
Start	3561	End	3944
GI	none	Score	315
Exons	3561..3944, 3596..3943		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9
Gene No.	118833	Strand	-
Start	6789	End	10573
Name	OJ000323_08.0419.C9.o2.tw	Method	TBLASTX:Wheat
Start	3618	End	4042
GI	none	Score	471
Exons	3618..4040, 3623..4042		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9
Gene No.	118833	Strand	-
Start	6789	End	10573
Name	OJ000323_08.0419.C9.o1.ts	Method	TBLASTX:Soybean
Start	3696	End	4097
GI	none	Score	302
Exons	3696..4097, 3698..3856		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9
Gene No.	118833	Strand	-
Start	6789	End	10573
Name	OJ000323_08.0419.C9.o6.tw	Method	TBLASTX:Wheat
Start	4187	End	4595
GI	none	Score	196
Exons	4187..4414, 4188..4412, 4422..4595, 4530..4592		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9
Gene No.	118833	Strand	-
Start	6789	End	10573
Name	OJ000323_08.0419.C9.o8.tw	Method	TBLASTX:Wheat
Start	4635	End	4892
GI	none	Score	181
Exons	4635..4892, 4730..4888		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9
Gene No.	118833	Strand	-
Start	6789	End	10573
Name	OJ000323_08.0419.C9.o2.tm	Method	TBLASTX:Maize
Start	5094	End	5402
GI	none	Score	356
Exons	5094..5402, 5114..5389		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9
Gene No.	118833	Strand	-
Start	6789	End	10573
Name	OJ000323_08.0419.C9.o5.tw	Method	TBLASTX:Wheat
Start	5097	End	5414
GI	none	Score	316
Exons	5097..5414, 5105..5395		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9
Gene No.	118833	Strand	-
Start	6789	End	10573
Name	OJ000323_08.0419.C9.o4.tw	Method	TBLASTX:Wheat
Start	5587	End	6159
GI	none	Score	310
Exons	5587..6003, 5596..5661, 5733..5807, 6028..6159, 6033..6158		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9
Gene No.	118833	Strand	-
Start	6789	End	10573
Name	OJ000323_08.0419.C9.o4.tm	Method	TBLASTX:Maize
Start	5773	End	6036
GI	none	Score	187
Exons	5773..6036		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9

Gene No.	118833	Strand	-
Start	6789	End	10573
Name	OJ000323_08.0419.C9.o2.gs	Method	GENSCAN
Start	6789	End	10573
GI	none	Score	.64
Exons	6789..7306, 7405..7550, 7674..8227, 8503..8817, 8885..9009, 9175..9551, 9709..9859, 10224..10348, 10488..10573		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9
Gene No.	118833	Strand	-
Start	6789	End	10573
Name	OJ000323_08.0419.C9.o2.np	Method	AAT/NAP
Start	7673	End	9284
GI	6721561	Score	1080
Exons	7673..8435, 8503..8561, 8632..8851, 9249..9284		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	56821	Seq. ID	OJ000323_08.0419.C9
Gene No.	118833	Strand	-
Start	6789	End	10573
Name	OJ000323_08.0419.C9.o3.np	Method	AAT/NAP
Start	8174	End	9808
GI	6721558	Score	269
Exons	8174..8373, 8885..9009, 9709..9808		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	56822	Seq. ID	OJ000323_08.0419.C11
Gene No.	118834	Strand	-
Start	39	End	5622
Name	OJ000323_08.0419.C11.o1.gs	Method	GENSCAN
Start	39	End	5622
GI	none	Score	.45
Exons	39..134, 1460..1931, 4292..4435, 5111..5622		

Seq. No.	56822	Seq. ID	OJ000323_08.0419.C11
Gene No.	118834	Strand	-
Start	39	End	5622
Name	OJ000323_08.0419.C11.o1.np	Method	AAT/NAP
Start	1705	End	4446
GI	7485814	Score	374
Exons	1705..1931, 4292..4446		
GI Descrip.	hypothetical protein F19I3.6 - Arabidopsis thaliana gi|3033379|gb|AAC12823.1| (AC004238) putative WRKY-type DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	56822	Seq. ID	OJ000323_08.0419.C11
Gene No.	118834	Strand	-
Start	39	End	5622
Name	OJ000323_08.0419.C11.o1.tc	Method	TBLASTX:Cress
Start	1776	End	4438
GI	none	Score	145

Exons	1776..1910, 1787..1906, 1906..1932, 4291..4362, 4291..4395, 4295..4435, 4402..4437, 4403..4438		
Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118835	Strand	+
Start	4848	End	4967
Name	OJ000323_08.0419.C15.o2.gp	Method	AAT/GAP
Start	4848	End	4967
GI	LIB3475-004-P1-K2-A5	Score	188
Exons	4848..4967		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118836	Strand	+
Start	6968	End	10195
Name	OJ000323_08.0419.C15.o1.np	Method	AAT/NAP
Start	6968	End	10192
GI	6907089	Score	4148
Exons	6968..8229, 8323..10192		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118836	Strand	+
Start	6968	End	10195
Name	OJ000323_08.0419.C15.o2.gs	Method	GENSCAN
Start	6968	End	10195
GI	none	Score	.97
Exons	6968..10195		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118837	Strand	+
Start	17045	End	17879
Name	OJ000323_08.0419.C15.o3.np	Method	AAT/NAP
Start	17045	End	17879
GI	5922623	Score	415
Exons	17045..17125, 17489..17636, 17804..17879		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118838	Strand	-
Start	10813	End	23952
Name	OJ000323_08.0419.C15.o3.gs	Method	GENSCAN
Start	10813	End	14478
GI	none	Score	1
Exons	10813..14478		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118838	Strand	-
Start	10813	End	23952
Name	OJ000323_08.0419.C15.o2.np	Method	AAT/NAP
Start	10816	End	16968
GI	7228457	Score	9328
Exons	10816..12366, 12433..13584, 13707..14541, 14605..16540, 16602..16968		

GI Descrip. (AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118838	Strand	-
Start	10813	End	23952
Name	OJ000323_08.0419.C15.o4.gs	Method	GENSCAN
Start	14542	End	16968
GI	none	Score	.95
Exons	14542..16968		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118838	Strand	-
Start	10813	End	23952
Name	OJ000323_08.0419.C15.o4.np	Method	AAT/NAP
Start	16488	End	20372
GI	7488299	Score	755
Exons	16488..16510, 18713..20372		

GI Descrip. reverse transcriptase homolog T7M24.7 - Arabidopsis thaliana gi|3319362|gb|AAC26250.1| (AF077408) contains similarity to reverse transcriptase (Pfam: rvt.hmm, score 19.29) [Arabidopsis thaliana] gi|7267136|emb|CAB80804.1| (AL161498) putative retrotransposon protein [Arabidopsis thaliana]

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118838	Strand	-
Start	10813	End	23952
Name	OJ000323_08.0419.C15.o5.gs	Method	GENSCAN
Start	18086	End	23952
GI	none	Score	.44
Exons	18086..18750, 18823..18955, 19320..19530, 20575..20629, 20831..21365, 21616..21857, 22050..22094, 23856..23952		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118838	Strand	-
Start	10813	End	23952
Name	OJ000323_08.0419.C15.o5.np	Method	AAT/NAP
Start	19725	End	20450
GI	2997694	Score	278
Exons	19725..20450		

GI Descrip. (AF053721) putative retrovirus-related polyprotein [Lithospermum erythrorhizon]

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o3.tw	Method	TBLASTX:Wheat
Start	5203	End	18500
GI	none	Score	106
Exons	5203..5337, 5205..5300, 18107..18418, 18109..18423, 18109..18405, 18116..18409, 18117..18410, 18425..18499, 18429..18500		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607

Name	OJ000323_08.0419.C15.o9.tm	Method	TBLASTX:Maize
Start	10775	End	10956
GI	none	Score	130
Exons	10775..10951, 10789..10956		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o10.tw	Method	TBLASTX:Wheat
Start	10825	End	11427
GI	none	Score	83
Exons	10825..10950, 10829..10951, 11136..11426, 11143..11427, 11144..11422		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o8.tm	Method	TBLASTX:Maize
Start	11326	End	19961
GI	none	Score	73
Exons	11326..11484, 19568..19735, 19599..19718, 19734..19961		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o6.tw	Method	TBLASTX:Wheat
Start	11428	End	11809
GI	none	Score	171
Exons	11428..11808, 11459..11707, 11753..11809		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o3.tm	Method	TBLASTX:Maize
Start	11623	End	11946
GI	none	Score	193
Exons	11623..11946, 11636..11929		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o12.tw	Method	TBLASTX:Wheat
Start	12139	End	12451
GI	none	Score	67
Exons	12139..12399, 12250..12438, 12275..12451		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o5.ts	Method	TBLASTX:Soybean
Start	12199	End	12765
GI	5666795	Score	68
Exons	12199..12399, 12454..12591, 12667..12765		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-

Start	28256	End	28607
Name	OJ000323_08.0419.C15.o7.tw	Method	TBLASTX:Wheat
Start	12454	End	12912
GI	none	Score	92
Exons	12454..12594, 12455..12592, 12457..12594, 12650..12823, 12664..12912, 12664..12888		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o1.ts	Method	TBLASTX:Soybean
Start	13513	End	13884
GI	none	Score	91
Exons	13513..13884, 13709..13867		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o4.tw	Method	TBLASTX:Wheat
Start	13538	End	13963
GI	none	Score	329
Exons	13538..13963, 13543..13962		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o4.tm	Method	TBLASTX:Maize
Start	13636	End	14020
GI	none	Score	222
Exons	13636..14019, 13655..14020		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o2.tm	Method	TBLASTX:Maize
Start	14047	End	14403
GI	none	Score	114
Exons	14047..14352, 14047..14403, 14057..14368		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o2.tw	Method	TBLASTX:Wheat
Start	14071	End	14533
GI	none	Score	423
Exons	14071..14532, 14072..14533		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o6.ts	Method	TBLASTX:Soybean
Start	14128	End	14493
GI	none	Score	117
Exons	14128..14262, 14269..14493		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-

Start	28256	End	28607
Name	OJ000323_08.0419.C15.o5.tw	Method	TBLASTX:Wheat
Start	14701	End	15184
GI	none	Score	165
Exons	14701..15183, 14729..14989, 15011..15184		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o9.tw	Method	TBLASTX:Wheat
Start	15922	End	16314
GI	none	Score	83
Exons	..16179, 160	16162..16260, 16163..16243,	

Seq. No.	56823		19.C15
Gene No.	118839	St and	
Start	28256	End	
Name	OJ000323_08.0419.C15.o10.tm	Method	TBLASTX:Maize
Start	16024	End	16309
GI	none	Score	89
Exons	16024..16272, 16025..16309		

			19.C15
St			
Name	OJ000323_08.	Method	TBLASTX:Soybean
Start	18137	End	18511
GI	ne	Score	46
	18361, 18 1..18362, 18380..18511, 18380..18511		

Seq.		ID	OJ000323 08.0419.C15
Gene No.	118839		-
Start	28256		
Name	OJ000323_08.0419.C15.o6.tm		
Start	18356	End	
GI	none	Score	
Exons	18356..18694, 18357..18551, 18389..18694		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o4.ts	Method	TBLASTX:Soybean
Start	18713	End	19015
GI	5509260	Score	224
Exons	18713..19015		
GI Descrip.	-		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o7.tm	Method	TBLASTX:Maize
Start	18713	End	19009
GI	none	Score	232
Exons	18713..19009		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15

Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o1.tc	Method	TBLASTX:Cress
Start	18716	End	18922
GI	none	Score	225
Exons	18716..18922		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o1.tw	Method	TBLASTX:Wheat
Start	18935	End	19690
GI	none	Score	199
Exons	18935..19093, 18936..19097, 18954..19100, 18955..19101, 19092..19175, 19106..19150, 19106..19183, 19107..19184, 19204..19506, 19215..19583, 19242..19589, 19562..19690, 19566..19682		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o2.ts	Method	TBLASTX:Soybean
Start	19341	End	19735
GI	none	Score	38
Exons	19341..19514, 19468..19506, 19568..19723, 19568..19735, 19572..19730		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o11.tw	Method	TBLASTX:Wheat
Start	19691	End	19886
GI	none	Score	55
Exons	19691..19735, 19692..19733, 19726..19884, 19731..19886, 19731..19883, 19795..19884		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o1.tm	Method	TBLASTX:Maize
Start	20162	End	20484
GI	none	Score	382
Exons	20162..20323, 20163..20477, 20164..20457, 20164..20484		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o5.tm	Method	TBLASTX:Maize
Start	20980	End	21293
GI	none	Score	250
Exons	20980..21270, 20982..21293, 20985..21275		

Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o8.tw	Method	TBLASTX:Wheat
Start	21042	End	21437

GI	none	Score	232
Exons	21042..21428, 21043..21417, 21045..21437		
Seq. No.	56823	Seq. ID	OJ000323_08.0419.C15
Gene No.	118839	Strand	-
Start	28256	End	28607
Name	OJ000323_08.0419.C15.o3.gp	Method	AAT/GAP
Start	28256	End	28607
GI	2442641	Score	483
Exons	28256..28514, 28571..28607		
Seq. No.	56824	Seq. ID	OJ000323_08.0419.C16
Gene No.	118840	Strand	+
Start	1	End	2797
Name	OJ000323_08.0419.C16.o1.gp	Method	AAT/GAP
Start	1	End	367
GI	none	Score	717
Exons	1..367		
Seq. No.	56824	Seq. ID	OJ000323_08.0419.C16
Gene No.	118840	Strand	+
Start	1	End	2797
Name	OJ000323_08.0419.C16.o1.tm	Method	TBLASTX:Maize
Start	20	End	1519
GI	none	Score	76
Exons	20..223, 43..180, 45..224, 48..224, 50..256, 218..568, 247..555, 254..556, 255..566, 600..650, 633..1175, 636..1022, 668..1144, 736..1167, 1273..1491, 1273..1491, 1286..1519		
Seq. No.	56824	Seq. ID	OJ000323_08.0419.C16
Gene No.	118840	Strand	+
Start	1	End	2797
Name	OJ000323_08.0419.C16.o1.gs	Method	GENSCAN
Start	50	End	2791
GI	none	Score	.83
Exons	50..1149, 1263..1504, 1608..1669, 2419..2604, 2696..2791		
Seq. No.	56824	Seq. ID	OJ000323_08.0419.C16
Gene No.	118840	Strand	+
Start	1	End	2797
Name	OJ000323_08.0419.C16.o1.ts	Method	TBLASTX:Soybean
Start	332	End	2797
GI	none	Score	111
Exons	332..517, 418..516, 941..1066, 1099..1137, 1103..1126, 1253..1402, 1261..1488, 1261..1485, 2475..2603, 2487..2648, 2699..2794, 2702..2797		
Seq. No.	56824	Seq. ID	OJ000323_08.0419.C16
Gene No.	118840	Strand	+
Start	1	End	2797
Name	OJ000323_08.0419.C16.o2.gp	Method	AAT/GAP
Start	706	End	1314
GI	6089_2.R1084	Score	929
Exons	706..1149, 1263..1314		
GI Descrip.	'3608137 1.0e-12 (AC005314) unknown protein [Arabidopsis thaliana]'		

Seq. No.	56824	Seq. ID	OJ000323_08.0419.C16
Gene No.	118840	Strand	+
Start	1	End	2797
Name	OJ000323_08.0419.C16.o3.gp	Method	AAT/GAP
Start	1439	End	2791
GI	none	Score	714
Exons	1439..1504, 1608..1669, 2419..2604, 2696..2791		

Seq. No.	56824	Seq. ID	OJ000323_08.0419.C16
Gene No.	118840	Strand	+
Start	1	End	2797
Name	OJ000323_08.0419.C16.o2.tm	Method	TBLASTX:Maize
Start	1594	End	2791
GI	none	Score	70
Exons	1594..1671, 1596..1670, 2406..2489, 2441..2602, 2490..2603, 2490..2603, 2527..2604, 2693..2791, 2696..2791		

Seq. No.	56825	Seq. ID	OJ000323_08.0419.C17
Gene No.	118841	Strand	+
Start	752	End	1287
Name	OJ000323_08.0419.C17.o1.np	Method	AAT/NAP
Start	752	End	992
GI	128657	Score	334
Exons	752..992		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 2, CHLOROPLAST gi|66149|pir||DERZN2 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 2 - rice chloroplast gi|669085|emb|CAA33941| (X15901) NADH dehydrogenase ND2 [Oryza sativa] gi|669089|emb|CAA33920| (X15901) NADH dehydrogenase ND2 [Oryza sativa] gi|226656|prf||1603356CG NADH dehydrogenase ND2 [Oryza sativa]		

Seq. No.	56825	Seq. ID	OJ000323_08.0419.C17
Gene No.	118841	Strand	+
Start	752	End	1287
Name	OJ000323_08.0419.C17.o1.ts	Method	TBLASTX:Soybean
Start	756	End	1006
GI	none	Score	327
Exons	756..986, 758..1006, 761..994		

Seq. No.	56825	Seq. ID	OJ000323_08.0419.C17
Gene No.	118841	Strand	+
Start	752	End	1287
Name	OJ000323_08.0419.C17.o1.tw	Method	TBLASTX:Wheat
Start	801	End	1287
GI	none	Score	266
Exons	801..986, 801..845, 803..1042, 803..1042, 1032..1082, 1034..1081, 1067..1135, 1080..1145, 1087..1107, 1093..1134, 1095..1172, 1096..1170, 1097..1177, 1099..1161, 1152..1208, 1152..1208, 1165..1209, 1209..1286, 1209..1286, 1210..1287, 1210..1287		

Seq. No.	56826	Seq. ID	OJ000313_08.0417.C2
Gene No.	118842	Strand	+
Start	8548	End	8941
Name	OJ000313_08.0417.C2.o2.gp	Method	AAT/GAP
Start	8548	End	8941

GI	none	Score	746
Exons	8548..8941		

Seq. No.	56826	Seq. ID	OJ000313_08.0417.C2
Gene No.	118843	Strand	+
Start	13502	End	21548
Name	OJ000313_08.0417.C2.o3.gs	Method	GENSCAN
Start	13502	End	21217
GI	none	Score	.66
Exons	13502..13520, 13653..13942, 15140..15487, 16907..16997, 17088..17170, 17321..17461, 18728..18853, 20351..20493, 20576..20717, 21146..21217		

Seq. No.	56826	Seq. ID	OJ000313_08.0417.C2
Gene No.	118843	Strand	+
Start	13502	End	21548
Name	OJ000313_08.0417.C2.o5.gp	Method	AAT/GAP
Start	15271	End	17173
GI	none	Score	736
Exons	15271..15487, 16907..16997, 17088..17173		

Seq. No.	56826	Seq. ID	OJ000313_08.0417.C2
Gene No.	118843	Strand	+
Start	13502	End	21548
Name	OJ000313_08.0417.C2.o2.np	Method	AAT/NAP
Start	15281	End	21208
GI	7488838	Score	447
Exons	15281..15461, 16881..16997, 17088..17197, 17351..17448, 18703..18856, 20351..20493, 20576..20717, 21146..21208		
GI Descrip.	protein-tyrosine-phosphatase (EC 3.1.3.48) - garden pea gi|3413500|emb|CAA06615.1| (AJ005589) protein tyrosine phosphatase [Pisum sativum]		

Seq. No.	56826	Seq. ID	OJ000313_08.0417.C2
Gene No.	118843	Strand	+
Start	13502	End	21548
Name	OJ000313_08.0417.C2.o6.gp	Method	AAT/GAP
Start	20396	End	21548
GI	uC-osflcyp058g04b1	Score	865
Exons	20396..20493, 20576..20717, 21146..21229, 21371..21548		
GI Descrip.	'3413473/emb|CAA06975.1| 9.0e-34 (AJ006308) tyrosine phosphatase 1 [Glycine max]'		

Seq. No.	56826	Seq. ID	OJ000313_08.0417.C2
Gene No.	118844	Strand	-
Start	298	End	4544
Name	OJ000313_08.0417.C2.o1.gs	Method	GENSCAN
Start	298	End	4544
GI	none	Score	.86
Exons	298..491, 639..752, 806..951, 1028..1082, 1240..1331, 2273..2416, 2902..3048, 3064..3322, 3411..3490, 4151..4544		

Seq. No.	56826	Seq. ID	OJ000313_08.0417.C2
Gene No.	118844	Strand	-
Start	298	End	4544
Name	OJ000313_08.0417.C2.o1.np	Method	AAT/NAP
Start	314	End	3950

GI	7492418	Score	397
Exons	314..491, 639..752, 830..951, 1028..1082, 1240..1331, 1865..1979, 2084..2166, 2273..2416, 2902..2938, 3859..3950		
GI Descrip.	probable ATP-dependent RNA helicase - fission yeast (Schizosaccharomyces pombe) gi|6014424|emb|CAB57423.1| (AL121764) putative ATP-dependent RNA helicase [Schizosaccharomyces pombe]		

Seq. No.	56826	Seq. ID	OJ000313_08.0417.C2
Gene No.	118845	Strand	-
Start	4736	End	12807
Name	OJ000313_08.0417.C2.o2.gs	Method	GENSCAN
Start	4736	End	12807
GI	none	Score	.67
Exons	4736..4987, 5248..5337, 6062..6114, 10465..10552, 10762..10825, 10930..11006, 11093..11155, 11449..11498, 11572..11778, 12535..12762, 12801..12807		

Seq. No.	56826	Seq. ID	OJ000313_08.0417.C2
Gene No.	118845	Strand	-
Start	4736	End	12807
Name	OJ000313_08.0417.C2.o1.gp	Method	AAT/GAP
Start	8238	End	8523
GI	5607411	Score	519
Exons	8238..8523		

Seq. No.	56826	Seq. ID	OJ000313_08.0417.C2
Gene No.	118845	Strand	-
Start	4736	End	12807
Name	OJ000313_08.0417.C2.o3.gp	Method	AAT/GAP
Start	10223	End	11026
GI	none	Score	1044
Exons	10223..10580, 10699..10825, 10934..11026		

Seq. No.	56826	Seq. ID	OJ000313_08.0417.C2
Gene No.	118845	Strand	-
Start	4736	End	12807
Name	OJ000313_08.0417.C2.o4.gp	Method	AAT/GAP
Start	11251	End	11354
GI	none	Score	112
Exons	11251..11354		

Seq. No.	56826	Seq. ID	OJ000313_08.0417.C2
Gene No.	118846	Strand	
Start	16940	End	21211
Name	OJ000313_08.0417.C2.o1.tc	Method	TBLASTX:Cress
Start	16940	End	21208
GI	none	Score	75
Exons	16940..17020, 17330..17446, 20369..20464, 20369..20464, 20570..20707, 20571..20714, 20579..20749, 21146..21208		

Seq. No.	56826	Seq. ID	OJ000313_08.0417.C2
Gene No.	118846	Strand	
Start	16940	End	21211
Name	OJ000313_08.0417.C2.o1.ts	Method	TBLASTX:Soybean
Start	16940	End	21211
GI	none	Score	62

Exons	16940..17020, 17090..17194, 17345..17446, 20368..20463, 20369..20464, 20369..20482, 20461..20493, 20462..20491, 20570..20707, 20571..20717, 20571..20717, 20579..20719, 21143..21211		
Seq. No.	56826	Seq. ID	OJ000313_08.0417.C2
Gene No.	118846	Strand	
Start	16940	End	21211
Name	OJ000313_08.0417.C2.o1.tm	Method	TBLASTX:Maize
Start	20360	End	21205
GI	none	Score	149
Exons	20360..20491, 20360..20491, 20368..20493, 20368..20493, 20570..20719, 20571..20777, 21143..21205		
Seq. No.	56827	Seq. ID	OJ000313_08.0417.C4
Gene No.	118847	Strand	+
Start	102	End	4262
Name	OJ000313_08.0417.C4.o1.gs	Method	GENSCAN
Start	102	End	4262
GI	none	Score	.95
Exons	102..345, 1165..1355, 1913..2244, 2552..2642, 2749..2815, 2914..3011, 3105..3281, 3664..3740, 3965..4262		
Seq. No.	56827	Seq. ID	OJ000313_08.0417.C4
Gene No.	118847	Strand	+
Start	102	End	4262
Name	OJ000313_08.0417.C4.o1.np	Method	AAT/NAP
Start	560	End	3741
GI	4587533	Score	228
Exons	560..614, 2035..2244, 2354..2446, 2552..2642, 2749..2830, 2902..3011, 3105..3281, 3443..3569, 3674..3741		
GI Descrip.	(AC007060) EST gb|AA721821 comes from this gene. [Arabidopsis thaliana]		
Seq. No.	56827	Seq. ID	OJ000313_08.0417.C4
Gene No.	118848	Strand	+
Start	5300	End	5584
Name	OJ000313_08.0417.C4.o1.gp	Method	AAT/GAP
Start	5300	End	5584
GI	none	Score	423
Exons	5300..5584		
Seq. No.	56827	Seq. ID	OJ000313_08.0417.C4
Gene No.	118849	Strand	+
Start	14169	End	18767
Name	OJ000313_08.0417.C4.o6.gs	Method	GENSCAN
Start	14169	End	18751
GI	none	Score	.44
Exons	14169..14229, 15260..15534, 15716..16502, 16565..16806, 17159..17833, 18121..18751		
Seq. No.	56827	Seq. ID	OJ000313_08.0417.C4
Gene No.	118849	Strand	+
Start	14169	End	18767
Name	OJ000313_08.0417.C4.o3.gp	Method	AAT/GAP
Start	14602	End	15057
GI	4968598	Score	765

Exons	14602..15057		
Seq. No.	56827	Seq. ID	OJ000313_08.0417.C4
Gene No.	118849	Strand	+
Start	14169	End	18767
Name	OJ000313_08.0417.C4.o4.np	Method	AAT/NAP
Start	15233	End	16912
GI	6539588	Score	294
Exons	15233..15546, 16868..16912		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	56827	Seq. ID	OJ000313_08.0417.C4
Gene No.	118849	Strand	+
Start	14169	End	18767
Name	OJ000313_08.0417.C4.o6.np	Method	AAT/NAP
Start	18118	End	18767
GI	7489803	Score	285
Exons	18118..18767		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi|3645899|gb|AAC49502.1| (U68408) 5' end not determined experimentally [Zea mays]		
Seq. No.	56827	Seq. ID	OJ000313_08.0417.C4
Gene No.	118850	Strand	-
Start	5462	End	6091
Name	OJ000313_08.0417.C4.o2.gs	Method	GENSCAN
Start	5462	End	6019
GI	none	Score	.99
Exons	5462..6019		
Seq. No.	56827	Seq. ID	OJ000313_08.0417.C4
Gene No.	118850	Strand	-
Start	5462	End	6091
Name	OJ000313_08.0417.C4.o2.np	Method	AAT/NAP
Start	5465	End	6028
GI	6227011	Score	420
Exons	5465..6028		
GI Descrip.	(AC009513) F12P19.3 [Arabidopsis thaliana]		
Seq. No.	56827	Seq. ID	OJ000313_08.0417.C4
Gene No.	118850	Strand	-
Start	5462	End	6091
Name	OJ000313_08.0417.C4.o2.gp	Method	AAT/GAP
Start	5623	End	6091
GI	19278_1.R1084	Score	889
Exons	5623..6091		
GI Descrip.	'2462834 8.0e-21 (AF000657) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	56827	Seq. ID	OJ000313_08.0417.C4
Gene No.	118851	Strand	-
Start	7140	End	8394
Name	OJ000313_08.0417.C4.o3.gs	Method	GENSCAN
Start	7140	End	8394
GI	none	Score	.71
Exons	7140..7202, 7343..7467, 7496..7689, 8366..8394		

Seq. No.	56827	Seq. ID	OJ000313_08.0417.C4
Gene No.	118852	Strand	-
Start	12201	End	12980
Name	OJ000313_08.0417.C4.o3.tm	Method	TBLASTX:Maize
Start	2041	End	2441
GI	none	Score	166
Exons	2041..2205, 2054..2245, 2057..2224, 2352..2441, 2352..2441		

Seq. No.	56827	Seq. ID	OJ000313_08.0417.C4
Gene No.	118852	Strand	-
Start	12201	End	12980
Name	OJ000313_08.0417.C4.o2.ts	Method	TBLASTX:Soybean
Start	2044	End	2441
GI	none	Score	157
Exons	2044..2244, 2045..2245, 2351..2440, 2352..2441		

Seq. No.	56827	Seq. ID	OJ000313_08.0417.C4
Gene No.	118852	Strand	-
Start	12201	End	12980
Name	OJ000313_08.0417.C4.o1.ts	Method	TBLASTX:Soybean
Start	5415	End	5896
GI	none	Score	73
Exons	5415..5531, 5465..5815, 5583..5813, 5793..5885, 5801..5896		

Seq. No.	56827	Seq. ID	OJ000313_08.0417.C4
Gene No.	118852	Strand	-
Start	12201	End	12980
Name	OJ000313_08.0417.C4.o1.tm	Method	TBLASTX:Maize
Start	5469	End	5800
GI	none	Score	51
Exons	5469..5516, 5471..5800, 5580..5798		

Seq. No.	56827	Seq. ID	OJ000313_08.0417.C4
Gene No.	118852	Strand	-
Start	12201	End	12980
Name	OJ000313_08.0417.C4.o1.tc	Method	TBLASTX:Cress
Start	5549	End	5896
GI	none	Score	88
Exons	5549..5800, 5828..5896		

Seq. No.	56827	Seq. ID	OJ000313_08.0417.C4
Gene No.	118852	Strand	-
Start	12201	End	12980
Name	OJ000313_08.0417.C4.o5.gs	Method	GENSCAN
Start	12201	End	12980
GI	none	Score	.91
Exons	12201..12980		

Seq. No.	56827	Seq. ID	OJ000313_08.0417.C4
Gene No.	118852	Strand	-
Start	12201	End	12980
Name	OJ000313_08.0417.C4.o1.tw	Method	TBLASTX:Wheat
Start	12282	End	12612
GI	none	Score	64
Exons	12282..12500, 12451..12612, 12507..12608		

Seq. No.	56827	Seq. ID	OJ000313_08.0417.C4

Gene No.	118853	Strand	
Start	12891	End	13205
Name	OJ000313_08.0417.C4.o2.tm	Method	TBLASTX:Maize
Start	12891	End	13205
GI	none	Score	74
Exons	12891..13037, 13032..13193, 13047..13205, 13078..13200		

Seq. No.	56828	Seq. ID	OJ000313_08.0417.C5
Gene No.	118854	Strand	-
Start	387	End	1941
Name	OJ000313_08.0417.C5.o2.np	Method	AAT/NAP
Start	387	End	1941
GI	6227011	Score	180
Exons	387..458, 1575..1941		
GI Descrip.	(AC009513) F12P19.3 [Arabidopsis thaliana]		

Seq. No.	56828	Seq. ID	OJ000313_08.0417.C5
Gene No.	118854	Strand	-
Start	387	End	1941
Name	OJ000313_08.0417.C5.o1.np	Method	AAT/NAP
Start	419	End	1004
GI	7340881	Score	313
Exons	419..771, 918..1004		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	56828	Seq. ID	OJ000313_08.0417.C5
Gene No.	118855	Strand	-
Start	3322	End	3882
Name	OJ000313_08.0417.C5.o1.tc	Method	TBLASTX:Cress
Start	1579	End	3756
GI	none	Score	67
Exons	1579..1746, 1631..1747, 1696..1818, 3409..3675, 3428..3685, 3695..3745, 3718..3756		

Seq. No.	56828	Seq. ID	OJ000313_08.0417.C5
Gene No.	118855	Strand	-
Start	3322	End	3882
Name	OJ000313_08.0417.C5.o1.tm	Method	TBLASTX:Maize
Start	1579	End	3666
GI	none	Score	126
Exons	1579..1725, 1580..1723, 1593..1727, 1605..1727, 3325..3549, 3331..3660, 3428..3658, 3574..3666		

Seq. No.	56828	Seq. ID	OJ000313_08.0417.C5
Gene No.	118855	Strand	-
Start	3322	End	3882
Name	OJ000313_08.0417.C5.o1.ts	Method	TBLASTX:Soybean
Start	1579	End	3756
GI	none	Score	66
Exons	1579..1722, 1580..1747, 1744..1818, 3325..3678, 3332..3685, 3683..3745, 3718..3756		

Seq. No.	56828	Seq. ID	OJ000313_08.0417.C5
Gene No.	118855	Strand	-
Start	3322	End	3882
Name	OJ000313_08.0417.C5.o2.gs	Method	GENSCAN
Start	3322	End	3876

GI	none	Score	.61
Exons	3322..3876		

Seq. No.	56828	Seq. ID	OJ000313_08.0417.C5
Gene No.	118855	Strand	-
Start	3322	End	3882
Name	OJ000313_08.0417.C5.o3.np	Method	AAT/NAP
Start	3325	End	3882
GI	6227011	Score	379
Exons	3325..3882		
GI Descrip.	(AC009513) F12P19.3 [Arabidopsis thaliana]		

Seq. No.	56828	Seq. ID	OJ000313_08.0417.C5
Gene No.	118855	Strand	-
Start	3322	End	3882
Name	OJ000313_08.0417.C5.o1.gp	Method	AAT/GAP
Start	3468	End	3879
GI	15984_1.R1084	Score	798
Exons	3468..3879		
GI Descrip.	'2462834 5.0e-17 (AF000657) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118856	Strand	+
Start	8591	End	19053
Name	OJ000313_08.0417.C6.o3.gs	Method	GENSCAN
Start	8591	End	15018
GI	none	Score	.8
Exons	8591..8602, 8933..9001, 10099..10458, 10633..10864, 11186..11530, 11657..12616, 12788..13088, 13185..13359, 13459..15018		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118856	Strand	+
Start	8591	End	19053
Name	OJ000313_08.0417.C6.o2.np	Method	AAT/NAP
Start	10147	End	19053
GI	5922631	Score	6589
Exons	10147..10271, 10530..10774, 11033..11240, 11286..11850, 11893..12043, 12170..13096, 13703..16186, 19006..19053		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118856	Strand	+
Start	8591	End	19053
Name	OJ000313_08.0417.C6.o3.gp	Method	AAT/GAP
Start	17768	End	18195
GI	2428185	Score	809
Exons	17768..18195		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118857	Strand	+
Start	23784	End	25584
Name	OJ000313_08.0417.C6.o4.np	Method	AAT/NAP
Start	23751	End	25584
GI	4803933	Score	255
Exons	23751..24299, 25555..25584		
GI Descrip.	(AC006264) putative disease resistance response protein [Arabidopsis thaliana]		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118857	Strand	+
Start	23784	End	25584
Name	OJ000313_08.0417.C6.o6.gs	Method	GENSCAN
Start	23784	End	24320
GI	none	Score	.51
Exons	23784..24320		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118858	Strand	+
Start	27183	End	28241
Name	OJ000313_08.0417.C6.o5.np	Method	AAT/NAP
Start	26596	End	28014
GI	7340868	Score	166
Exons	26596..26780, 27977..28014		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118858	Strand	+
Start	27183	End	28241
Name	OJ000313_08.0417.C6.o7.gs	Method	GENSCAN
Start	27183	End	28241
GI	none	Score	.65
Exons	27183..27307, 27473..28241		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118859	Strand	-
Start	2037	End	2491
Name	OJ000313_08.0417.C6.o1.gp	Method	AAT/GAP
Start	2037	End	2491
GI	5803302	Score	898
Exons	2037..2491		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118860	Strand	-
Start	4917	End	5483
Name	OJ000313_08.0417.C6.o2.gs	Method	GENSCAN
Start	4917	End	5465
GI	none	Score	.69
Exons	4917..5465		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118860	Strand	-
Start	4917	End	5483
Name	OJ000313_08.0417.C6.o1.np	Method	AAT/NAP
Start	4920	End	5483

GI	6227011	Score	358
Exons	4920..5483		
GI Descrip.	(AC009513) F12P19.3 [Arabidopsis thaliana]		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118861	Strand	-
Start	19419	End	22354
Name	OJ000313_08.0417.C6.o5.gs	Method	GENSCAN
Start	19419	End	22354
GI	none	Score	.78
Exons	19419..19870, 19944..20057, 20120..20309, 20384..20494, 20496..20593, 20659..20897, 21094..21314, 21470..22354		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118861	Strand	-
Start	19419	End	22354
Name	OJ000313_08.0417.C6.o3.np	Method	AAT/NAP
Start	19431	End	22354
GI	6691716	Score	2464
Exons	19431..19870, 19944..20057, 20207..20309, 20384..20581, 20659..20838, 20917..21017, 21094..21269, 21461..22354		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638
Name	OJ000313_08.0417.C6.o1.ts	Method	TBLASTX:Soybean
Start	4920	End	24290
GI	none	Score	176
Exons	4920..5279, 4927..5280, 5268..5351, 5278..5340, 23865..23951, 23976..24032, 24036..24122, 24138..24176, 24185..24277, 24186..24290		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638
Name	OJ000313_08.0417.C6.o4.tm	Method	TBLASTX:Maize
Start	4920	End	24308
GI	none	Score	168
Exons	4920..5189, 4926..5252, 4927..5253, 4931..5266, 23972..24019, 23973..24020, 24036..24146, 24045..24275, 24173..24262, 24270..24308		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638
Name	OJ000313_08.0417.C6.o1.tc	Method	TBLASTX:Cress
Start	5004	End	24233
GI	none	Score	148
Exons	5004..5279, 5005..5280, 5229..5351, 5290..5352, 23868..24020, 23900..24019, 24035..24133, 24036..24134, 24185..24232, 24186..24233		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-

Start	28285	End	28638
Name	OJ000313_08.0417.C6.o7.tw	Method	TBLASTX:Wheat
Start	11454	End	11856
GI	none	Score	283
Exons	11454..11723, 11455..11856		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638
Name	OJ000313_08.0417.C6.o6.tw	Method	TBLASTX:Wheat
Start	12436	End	12893
GI	none	Score	146
Exons	12436..12612, 12657..12893, 12661..12891		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638
Name	OJ000313_08.0417.C6.o1.tw	Method	TBLASTX:Wheat
Start	13113	End	13569
GI	none	Score	481
Exons	13113..13568, 13114..13569		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638
Name	OJ000313_08.0417.C6.o4.ts	Method	TBLASTX:Soybean
Start	13153	End	13518
GI	none	Score	133
Exons	13153..13377, 13384..13518		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638
Name	OJ000313_08.0417.C6.o2.tm	Method	TBLASTX:Maize
Start	13242	End	13599
GI	none	Score	365
Exons	13242..13589, 13243..13599		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638
Name	OJ000313_08.0417.C6.o2.tw	Method	TBLASTX:Wheat
Start	13684	End	14108
GI	none	Score	420
Exons	13684..14103, 13731..14105, 13782..14108		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638
Name	OJ000313_08.0417.C6.o2.ts	Method	TBLASTX:Soybean
Start	13762	End	14163
GI	none	Score	280
Exons	13762..14163, 13779..13922, 13795..14154		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638

Name	OJ000313_08.0417.C6.o3.tm	Method	TBLASTX:Maize
Start	13834	End	14274
GI	none	Score	266
Exons	13834..14085, 13863..14084, 14106..14237, 14107..14250, 14248..14274		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638
Name	OJ000313_08.0417.C6.o8.tw	Method	TBLASTX:Wheat
Start	14112	End	14397
GI	none	Score	267
Exons	14112..14189, 14113..14394, 14302..14397		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638
Name	OJ000313_08.0417.C6.o3.ts	Method	TBLASTX:Soybean
Start	14389	End	14777
GI	none	Score	71
Exons	14389..14493, 14529..14777, 14533..14775		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638
Name	OJ000313_08.0417.C6.o4.tw	Method	TBLASTX:Wheat
Start	14398	End	14820
GI	none	Score	385
Exons	14398..14820, 14403..14744		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638
Name	OJ000313_08.0417.C6.o6.tm	Method	TBLASTX:Maize
Start	14452	End	14724
GI	none	Score	134
Exons	14452..14622, 14626..14724		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638
Name	OJ000313_08.0417.C6.o1.tm	Method	TBLASTX:Maize
Start	15138	End	15460
GI	none	Score	75
Exons	15138..15200, 15203..15460, 15217..15459		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638
Name	OJ000313_08.0417.C6.o3.tw	Method	TBLASTX:Wheat
Start	15275	End	15657
GI	none	Score	396
Exons	15275..15655, 15275..15529, 15280..15657		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638

Name	OJ000313_08.0417.C6.o7.tm	Method	TBLASTX:Maize
Start	15602	End	15874
GI	none	Score	92
Exons	15602..15691, 15695..15778, 15788..15874		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638
Name	OJ000313_08.0417.C6.o5.tw	Method	TBLASTX:Wheat
Start	15659	End	16177
GI	none	Score	340
Exons	15659..16135, 15805..16008, 16127..16177		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638
Name	OJ000313_08.0417.C6.o5.tm	Method	TBLASTX:Maize
Start	15956	End	16200
GI	none	Score	169
Exons	15956..16138, 15985..16035, 16078..16137, 16117..16200, 16118..16195		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638
Name	OJ000313_08.0417.C6.o9.tw	Method	TBLASTX:Wheat
Start	21944	End	22235
GI	none	Score	97
Exons	21944..22234, 21981..22235		

Seq. No.	56829	Seq. ID	OJ000313_08.0417.C6
Gene No.	118862	Strand	-
Start	28285	End	28638
Name	OJ000313_08.0417.C6.o8.gs	Method	GENSCAN
Start	28285	End	28638
GI	none	Score	.99
Exons	28285..28638		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118863	Strand	+
Start	8136	End	9470
Name	OJ000313_08.0417.C7.o3.np	Method	AAT/NAP
Start	7894	End	9470
GI	6907086	Score	1251
Exons	7894..8660, 8718..8888, 9113..9233, 9348..9470		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118863	Strand	+
Start	8136	End	9470
Name	OJ000313_08.0417.C7.o2.gs	Method	GENSCAN
Start	8136	End	8643
GI	none	Score	.52
Exons	8136..8237, 8311..8643		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-

Start	1	End	5970
Name	OJ000313_08.0417.C7.o1.np	Method	AAT/NAP
Start	1	End	4533
GI	4680179	Score	7633
Exons	1..4533		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o7.tm	Method	TBLASTX:Maize
Start	2	End	196
GI	none	Score	193
Exons	2..196		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o6.tw	Method	TBLASTX:Wheat
Start	20	End	353
GI	none	Score	72
Exons	20..352, 41..202, 84..260, 245..325, 282..353		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o1.gs	Method	GENSCAN
Start	110	End	5970
GI	none	Score	.48
Exons	110..1463, 1506..3102, 3340..3523, 3574..4533, 4963..4998, 5078..5749, 5959..5970		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o1.tm	Method	TBLASTX:Maize
Start	200	End	799
GI	none	Score	249
Exons	200..640, 213..638, 638..799, 645..791		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o1.tw	Method	TBLASTX:Wheat
Start	353	End	979
GI	none	Score	365
Exons	353..979, 354..977		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o3.tm	Method	TBLASTX:Maize
Start	848	End	1139
GI	none	Score	225
Exons	848..1138, 852..1139		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7

Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o2.ts	Method	TBLASTX:Soybean
Start	938	End	1198
GI	none	Score	154
Exons	938..1198, 939..1193		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o1.tc	Method	TBLASTX:Cress
Start	962	End	1279
GI	none	Score	88
Exons	962..1105, 963..1103, 1106..1279		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o3.tw	Method	TBLASTX:Wheat
Start	986	End	1462
GI	none	Score	245
Exons	986..1462, 987..1241, 1019..1432		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o2.tw	Method	TBLASTX:Wheat
Start	1463	End	1978
GI	none	Score	256
Exons	1463..1978, 1553..1900, 1635..1946		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o2.tm	Method	TBLASTX:Maize
Start	1541	End	1906
GI	none	Score	165
Exons	1541..1852, 1548..1745, 1553..1906, 1638..1904		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o3.ts	Method	TBLASTX:Soybean
Start	1727	End	1972
GI	none	Score	202
Exons	1727..1972		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o4.tm	Method	TBLASTX:Maize
Start	1943	End	2443
GI	none	Score	64
Exons	1943..2278, 1949..2188, 2061..2192, 2264..2443		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-

Start	1	End	5970
Name	OJ000313_08.0417.C7.o5.tw	Method	TBLASTX:Wheat
Start	1979	End	2281
GI	none	Score	268
Exons	1979..2281, 1980..2261, 2179..2280		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o1.ts	Method	TBLASTX:Soybean
Start	1994	End	2389
GI	none	Score	192
Exons	1994..2353, 1995..2258, 2273..2353, 2357..2389, 2358..2387		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o4.tw	Method	TBLASTX:Wheat
Start	2330	End	2812
GI	none	Score	252
Exons	2330..2812, 2373..2708		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o4.ts	Method	TBLASTX:Soybean
Start	2462	End	2776
GI	none	Score	59
Exons	2462..2776, 2463..2660		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o5.tm	Method	TBLASTX:Maize
Start	2511	End	2800
GI	none	Score	165
Exons	2511..2702, 2513..2800		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o8.tw	Method	TBLASTX:Wheat
Start	2975	End	3391
GI	none	Score	99
Exons	2975..3160, 2976..3131, 3182..3391, 3243..3356		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o8.tm	Method	TBLASTX:Maize
Start	3074	End	3394
GI	none	Score	72
Exons	3074..3394, 3249..3350		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970

Name	OJ000313_08.0417.C7.o6.tm	Method	TBLASTX:Maize
Start	3730	End	4026
GI	none	Score	105
Exons	3730..4026, 3742..4026, 3839..4009		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o7.tw	Method	TBLASTX:Wheat
Start	3910	End	4270
GI	none	Score	97
Exons	3910..4266, 3914..4141, 4166..4270		

Seq. No.	56830	Seq. ID	OJ000313_08.0417.C7
Gene No.	118864	Strand	-
Start	1	End	5970
Name	OJ000313_08.0417.C7.o2.np	Method	AAT/NAP
Start	4787	End	5683
GI	5042448	Score	1333
Exons	4787..5082, 5122..5683		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	56831	Seq. ID	OJ000313_08.0417.C8
Gene No.	118865	Strand	+
Start	1	End	1119
Name	OJ000313_08.0417.C8.o2.np	Method	AAT/NAP
Start	1	End	1119
GI	4680183	Score	120
Exons	1..28, 1030..1119		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	56831	Seq. ID	OJ000313_08.0417.C8
Gene No.	118865	Strand	+
Start	1	End	1119
Name	OJ000313_08.0417.C8.o1.gs	Method	GENSCAN
Start	13	End	295
GI	none	Score	.7
Exons	13..51, 218..295		

Seq. No.	56831	Seq. ID	OJ000313_08.0417.C8
Gene No.	118866	Strand	-
Start	1	End	997
Name	OJ000313_08.0417.C8.o1.np	Method	AAT/NAP
Start	1	End	997
GI	6721561	Score	118
Exons	1..126, 892..997		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	56832	Seq. ID	OJ000313_09.0418.C2
Gene No.	118867	Strand	-
Start	372	End	2079
Name	OJ000313_09.0418.C2.o1.gs	Method	GENSCAN

Start	372	End	1947
GI	none	Score	.49
Exons	372..506, 1027..1197, 1481..1674, 1817..1947		

Seq. No.	56832	Seq. ID	OJ000313_09.0418.C2
Gene No.	118867	Strand	-
Start	372	End	2079
Name	OJ000313_09.0418.C2.o1.gp	Method	AAT/GAP
Start	1816	End	2079
GI	10681_1.R1084	Score	429
Exons	1816..2079		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	56833	Seq. ID	OJ000313_09.0418.C3
Gene No.	118868	Strand	+
Start	2379	End	2718
Name	OJ000313_09.0418.C3.o1.gp	Method	AAT/GAP
Start	2379	End	2718
GI	none	Score	454
Exons	2379..2718		

Seq. No.	56833	Seq. ID	OJ000313_09.0418.C3
Gene No.	118869	Strand	+
Start	16711	End	19247
Name	OJ000313_09.0418.C3.o4.gs	Method	GENSCAN
Start	16711	End	18987
GI	none	Score	.59
Exons	16711..17239, 17965..18045, 18563..18987		

Seq. No.	56833	Seq. ID	OJ000313_09.0418.C3
Gene No.	118869	Strand	+
Start	16711	End	19247
Name	OJ000313_09.0418.C3.o4.gp	Method	AAT/GAP
Start	16982	End	19247
GI	4984_1.R1084	Score	1888
Exons	16982..17239, 17965..18045, 18563..19247		
GI Descrip.	'6091726/gb|AAF03438.1|AC010797_14 2.0e-12 (AC010797) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	56833	Seq. ID	OJ000313_09.0418.C3
Gene No.	118869	Strand	+
Start	16711	End	19247
Name	OJ000313_09.0418.C3.o2.np	Method	AAT/NAP
Start	17976	End	18997
GI	6091726	Score	120
Exons	17976..18045, 18563..18997		
GI Descrip.	(AC010797) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56833	Seq. ID	OJ000313_09.0418.C3
Gene No.	118870	Strand	+
Start	24813	End	28108
Name	OJ000313_09.0418.C3.o6.gs	Method	GENSCAN
Start	24813	End	28108
GI	none	Score	.88
Exons	24813..25075, 25170..25284, 25902..26013, 26368..26435, 26610..26664, 26760..26839, 26981..27064, 27623..27736,		

27990..28108

Seq. No.	56833	Seq. ID	OJ000313_09.0418.C3
Gene No.	118871	Strand	-
Start	2571	End	10555
Name	OJ000313_09.0418.C3.o1.np	Method	AAT/NAP
Start	2068	End	6255
GI	7487793	Score	924
Exons	2068..2127, 2592..3462, 5550..5724, 5931..6255		
GI Descrip.	hypothetical protein T8F5.10 - Arabidopsis thaliana gi|3335341|gb|AAC27143.1| (AC004512) T8F5.10 [Arabidopsis thaliana]		

Seq. No.	56833	Seq. ID	OJ000313_09.0418.C3
Gene No.	118871	Strand	-
Start	2571	End	10555
Name	OJ000313_09.0418.C3.o2.gs	Method	GENSCAN
Start	2571	End	10555
GI	none	Score	.8
Exons	2571..3462, 5933..6282, 8119..8157, 10418..10555		

Seq. No.	56833	Seq. ID	OJ000313_09.0418.C3
Gene No.	118871	Strand	-
Start	2571	End	10555
Name	OJ000313_09.0418.C3.o2.gp	Method	AAT/GAP
Start	2818	End	3360
GI	18705_1.R1084	Score	1032
Exons	2818..3360		
GI Descrip.	'3335341 2.0e-38 (AC004512) T8F5.10 [Arabidopsis thaliana]'		

Seq. No.	56833	Seq. ID	OJ000313_09.0418.C3
Gene No.	118871	Strand	-
Start	2571	End	10555
Name	OJ000313_09.0418.C3.o3.gp	Method	AAT/GAP
Start	3390	End	6353
GI	uC-osf1M202035d11b1	Score	896
Exons	3390..3462, 5933..6353		
GI Descrip.	'3335341 2.0e-18 (AC004512) T8F5.10 [Arabidopsis thaliana]'		

Seq. No.	56833	Seq. ID	OJ000313_09.0418.C3
Gene No.	118872	Strand	-
Start	11414	End	12870
Name	OJ000313_09.0418.C3.o3.gs	Method	GENSCAN
Start	11414	End	12870
GI	none	Score	.7
Exons	11414..11530, 11579..11769, 12741..12870		

Seq. No.	56833	Seq. ID	OJ000313_09.0418.C3
Gene No.	118873	Strand	-
Start	20204	End	22369
Name	OJ000313_09.0418.C3.o3.tm	Method	TBLASTX:Maize
Start	2580	End	2855
GI	none	Score	177
Exons	2580..2771, 2592..2771, 2686..2847, 2811..2855, 2814..2855		

Seq. No.	56833	Seq. ID	OJ000313_09.0418.C3
Gene No.	118873	Strand	-

Start	20204	End	22369
Name	OJ000313_09.0418.C3.o2.ts	Method	TBLASTX:Soybean
Start	2595	End	2868
GI	none	Score	100
Exons	2595..2663, 2652..2780, 2686..2781, 2797..2868, 2805..2867		

Seq. No.	56833	Seq. ID	OJ000313_09.0418.C3
Gene No.	118873	Strand	-
Start	20204	End	22369
Name	OJ000313_09.0418.C3.o1.tm	Method	TBLASTX:Maize
Start	2856	End	6259
GI	none	Score	52
Exons	2856..2885, 2857..2907, 2878..2979, 2882..3310, 2895..3314, 2928..3269, 3296..3463, 3300..3464, 3305..3463, 3313..3486, 3330..3467, 5930..6259, 5931..6005, 5932..6258		

Seq. No.	56833	Seq. ID	OJ000313_09.0418.C3
Gene No.	118873	Strand	-
Start	20204	End	22369
Name	OJ000313_09.0418.C3.o1.tc	Method	TBLASTX:Cress
Start	2928	End	3272
GI	none	Score	59
Exons	2928..3050, 2932..3051, 3066..3269, 3112..3270, 3115..3267, 3120..3272		

Seq. No.	56833	Seq. ID	OJ000313_09.0418.C3
Gene No.	118873	Strand	-
Start	20204	End	22369
Name	OJ000313_09.0418.C3.o1.ts	Method	TBLASTX:Soybean
Start	2937	End	3137
GI	none	Score	110
Exons	2937..3137, 2937..3137		

Seq. No.	56833	Seq. ID	OJ000313_09.0418.C3
Gene No.	118873	Strand	-
Start	20204	End	22369
Name	OJ000313_09.0418.C3.o2.tm	Method	TBLASTX:Maize
Start	18012	End	18996
GI	none	Score	65
Exons	18012..18044, 18551..18634, 18561..18632, 18561..18644, 18562..18642, 18643..18747, 18653..18772, 18653..18745, 18654..18749, 18794..18838, 18816..18950, 18868..18948, 18901..18996, 18931..18987		

Seq. No.	56833	Seq. ID	OJ000313_09.0418.C3
Gene No.	118873	Strand	-
Start	20204	End	22369
Name	OJ000313_09.0418.C3.o5.gp	Method	AAT/GAP
Start	20087	End	22367
GI	none	Score	1167
Exons	20087..20400, 20831..20907, 21608..21702, 22012..22099, 22293..22367		

Seq. No.	56833	Seq. ID	OJ000313_09.0418.C3
Gene No.	118873	Strand	-
Start	20204	End	22369
Name	OJ000313_09.0418.C3.o5.gs	Method	GENSCAN

Start	20204	End	22369
GI	none	Score	.57
Exons	20204..20320, 20727..20907, 21608..21745, 21866..22099, 22293..22369		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118874	Strand	+
Start	176	End	1576
Name	OJ000313_09.0418.C4.o1.gs	Method	GENSCAN
Start	176	End	1576
GI	none	Score	.74
Exons	176..360, 501..654, 888..967, 1492..1576		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118875	Strand	+
Start	11756	End	16412
Name	OJ000313_09.0418.C4.o3.gs	Method	GENSCAN
Start	11756	End	14946
GI	none	Score	.65
Exons	11756..11943, 13218..13458, 13565..13954, 14461..14946		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118875	Strand	+
Start	11756	End	16412
Name	OJ000313_09.0418.C4.o4.gp	Method	AAT/GAP
Start	13176	End	13756
GI	none	Score	922
Exons	13176..13458, 13565..13756		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118875	Strand	+
Start	11756	End	16412
Name	OJ000313_09.0418.C4.o2.np	Method	AAT/NAP
Start	14456	End	16412
GI	7485154	Score	175
Exons	14456..14940, 15417..15552, 16227..16412		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244955|emb|CAB10376.1| (Z97340) regulatory protein [Arabidopsis thaliana] gi|7268345|emb|CAB78639.1| (AL161542) regulatory protein [Arabidopsis thaliana]		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118876	Strand	-
Start	3470	End	14961
Name	OJ000313_09.0418.C4.o1.tm	Method	TBLASTX:Maize
Start	27	End	579
GI	none	Score	190
Exons	27..149, 28..147, 28..150, 29..148, 229..360, 230..337, 231..365, 232..375, 475..579, 499..579		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118876	Strand	-
Start	3470	End	14961
Name	OJ000313_09.0418.C4.o3.tw	Method	TBLASTX:Wheat
Start	3178	End	3607
GI	none	Score	57
Exons	3178..3264, 3231..3263, 3258..3377, 3262..3330, 3263..3379,		

3415..3528, 3417..3488, 3502..3576, 3507..3578, 3509..3607, 3510..3578

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118876	Strand	-
Start	3470	End	14961
Name	OJ000313_09.0418.C4.o4.tm	Method	TBLASTX:Maize
Start	3189	End	6485
GI	none	Score	155
Exons	3189..3224, 3261..3311, 3423..3578, 3426..3575, 3446..3583, 3470..3583, 3527..3643, 3558..3644, 3578..3646, 3611..3688, 3647..3685, 3767..3895, 3780..3866, 3781..3882, 3994..4068, 3997..4047, 4914..5009, 4914..5072, 4915..5070, 5150..5263, 5151..5258, 5152..5268, 5276..5308, 5287..5313, 5473..5526, 5474..5527, 5478..5528, 5614..5697, 5616..5660, 5616..5711, 5617..5697, 6407..6484, 6409..6483, 6417..6485		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118876	Strand	-
Start	3470	End	14961
Name	OJ000313_09.0418.C4.o2.gs	Method	GENSCAN
Start	3470	End	10926
GI	none	Score	.58
Exons	3470..3685, 3781..3880, 3995..4047, 4917..5063, 5150..5307, 5669..5720, 6381..6488, 6781..6918, 7120..7212, 7308..7603, 8053..8101, 8290..8403, 8496..8555, 9000..9101, 9201..9229, 9314..9596, 10540..10926		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118876	Strand	-
Start	3470	End	14961
Name	OJ000313_09.0418.C4.o1.np	Method	AAT/NAP
Start	3506	End	14659
GI	7430320	Score	2015
Exons	3506..3685, 3781..3880, 3995..4047, 4917..5063, 5150..5307, 5582..5726, 6381..6488, 6781..6918, 7120..7212, 7308..7400, 7494..7603, 8053..8101, 8290..8403, 8496..8555, 8640..8708, 9000..9101, 9201..9229, 9314..9596, 10540..10905, 14612..14659		
GI Descrip.	dynamin-like protein ADL2 - Arabidopsis thaliana gi|3549667|emb|CAA20578.1| (AL031394) Arabidopsis dynamin-like protein ADL2 [Arabidopsis thaliana] gi|7270313|emb|CAB80082.1| (AL161583) Arabidopsis dynamin-like protein ADL2 [Arabidopsis thaliana]		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118876	Strand	-
Start	3470	End	14961
Name	OJ000313_09.0418.C4.o1.gp	Method	AAT/GAP
Start	3590	End	5340
GI	15720_1.R1084	Score	1012
Exons	3590..3685, 3781..3880, 3995..4047, 4917..5063, 5150..5340		
GI Descrip.	'3549667/emb|CAA20578.1| 4.0e-52 (AL031394) Arabidopsis dynamin-like protein ADL2 [Arabidopsis thaliana]'		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118876	Strand	-
Start	3470	End	14961

Name	OJ000313_09.0418.C4.o1.tc	Method	TBLASTX:Cress
Start	3635	End	10857
GI	none	Score	76
Exons	3635..3688, 3781..3882, 3788..3901, 3994..4068, 3995..4054, 4914..5120, 4915..5064, 6417..6494, 6833..6922, 6841..6918, 7115..7213, 7117..7221, 7284..7403, 7306..7365, 7485..7613, 7486..7605, 8054..8104, 8284..8406, 8285..8407, 8487..8552, 8500..8547, 8637..8744, 9000..9113, 9010..9120, 9198..9230, 9202..9234, 9207..9248, 9312..9602, 9312..9608, 9313..9603, 10540..10857, 10586..10729, 10606..10830, 10775..10855		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118876	Strand	-
Start	3470	End	14961
Name	OJ000313_09.0418.C4.o4.ts	Method	TBLASTX:Soybean
Start	3829	End	5245
GI	none	Score	144
Exons	3829..3882, 3994..4050, 4914..5072, 4915..5070, 5150..5245		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118876	Strand	-
Start	3470	End	14961
Name	OJ000313_09.0418.C4.o3.ts	Method	TBLASTX:Soybean
Start	6417	End	8523
GI	none	Score	43
Exons	6417..6500, 6778..6807, 6778..6918, 6818..6922, 7115..7213, 7117..7221, 7284..7403, 7306..7365, 7332..7403, 7472..7600, 7485..7613, 7486..7605, 7494..7613, 8054..8104, 8284..8406, 8285..8404, 8493..8522, 8500..8523		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118876	Strand	-
Start	3470	End	14961
Name	OJ000313_09.0418.C4.o2.gp	Method	AAT/GAP
Start	6456	End	7344
GI	uC-osroM202014a11b1	Score	498
Exons	6456..6488, 6781..6918, 7120..7212, 7308..7344		
GI Descrip.	'3549667/emb|CAA20578.1| 7.0e-38 (AL031394) Arabidopsis dynamin-like protein ADL2 [Arabidopsis thaliana]'		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118876	Strand	-
Start	3470	End	14961
Name	OJ000313_09.0418.C4.o3.tm	Method	TBLASTX:Maize
Start	6777	End	9047
GI	none	Score	137
Exons	6777..6926, 6781..6918, 6818..6931, 7057..7206, 7071..7220, 7115..7213, 7117..7221, 7284..7403, 7306..7365, 7309..7407, 7311..7403, 7472..7603, 7485..7613, 7486..7605, 8040..8102, 8040..8102, 8054..8104, 8284..8406, 8285..8404, 8305..8406, 8487..8555, 8497..8556, 8640..8711, 8640..8744, 8988..9047		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118876	Strand	-
Start	3470	End	14961
Name	OJ000313_09.0418.C4.o1.tw	Method	TBLASTX:Wheat
Start	7115	End	8099

GI	none	Score	93
Exons	7115..7213, 7115..7213, 7117..7221, 7305..7403, 7306..7365, 7344..7403, 7485..7568, 7486..7578, 7572..7613, 7576..7605, 8040..8099, 8054..8098		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118876	Strand	-
Start	3470	End	14961
Name	OJ000313_09.0418.C4.o3.gp	Method	AAT/GAP
Start	7550	End	9098
GI	uC-osflcyp064d05b1	Score	778
Exons	7550..7603, 8053..8101, 8290..8403, 8496..8555, 8640..8708, 9000..9098		
GI Descrip.	'3549667/emb|CAA20578.1| 9.0e-53 (AL031394) Arabidopsis dynamin-like protein ADL2 [Arabidopsis thaliana]'		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118876	Strand	-
Start	3470	End	14961
Name	OJ000313_09.0418.C4.o1.ts	Method	TBLASTX:Soybean
Start	9000	End	9582
GI	none	Score	126
Exons	9000..9113, 9004..9105, 9198..9230, 9312..9581, 9313..9582		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118876	Strand	-
Start	3470	End	14961
Name	OJ000313_09.0418.C4.o2.tm	Method	TBLASTX:Maize
Start	9057	End	9515
GI	none	Score	71
Exons	9057..9113, 9057..9113, 9058..9120, 9201..9236, 9202..9261, 9202..9228, 9307..9510, 9312..9515, 9313..9510, 9359..9511		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118876	Strand	-
Start	3470	End	14961
Name	OJ000313_09.0418.C4.o2.ts	Method	TBLASTX:Soybean
Start	10540	End	10857
GI	none	Score	173
Exons	10540..10857, 10583..10855		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118876	Strand	-
Start	3470	End	14961
Name	OJ000313_09.0418.C4.o2.tw	Method	TBLASTX:Wheat
Start	13631	End	13822
GI	none	Score	216
Exons	13631..13822, 13651..13821		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118876	Strand	-
Start	3470	End	14961
Name	OJ000313_09.0418.C4.o6.tm	Method	TBLASTX:Maize
Start	13744	End	14529
GI	none	Score	212
Exons	13744..13956, 13748..13954, 13858..13956, 13914..13985, 14461..14529		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118876	Strand	-
Start	3470	End	14961
Name	OJ000313_09.0418.C4.o5.tm	Method	TBLASTX:Maize
Start	14530	End	14886
GI	none	Score	164
Exons	14530..14700, 14715..14816, 14716..14877, 14716..14886		

Seq. No.	56834	Seq. ID	OJ000313_09.0418.C4
Gene No.	118876	Strand	-
Start	3470	End	14961
Name	OJ000313_09.0418.C4.o5.ts	Method	TBLASTX:Soybean
Start	14719	End	14961
GI	none	Score	191
Exons	14719..14961, 14724..14816		

Seq. No.	56835	Seq. ID	OJ000313_09.0418.C5
Gene No.	118877	Strand	+
Start	4631	End	10465
Name	OJ000313_09.0418.C5.o2.gs	Method	GENSCAN
Start	4631	End	10465
GI	none	Score	.5
Exons	4631..4846, 6171..6533, 6794..7256, 7487..7504, 8824..8999, 9988..10263, 10265..10465		

Seq. No.	56835	Seq. ID	OJ000313_09.0418.C5
Gene No.	118878	Strand	+
Start	11617	End	13163
Name	OJ000313_09.0418.C5.o3.gs	Method	GENSCAN
Start	11617	End	13163
GI	none	Score	.43
Exons	11617..11739, 13053..13163		

Seq. No.	56835	Seq. ID	OJ000313_09.0418.C5
Gene No.	118879	Strand	+
Start	14887	End	20050
Name	OJ000313_09.0418.C5.o4.gs	Method	GENSCAN
Start	14887	End	16927
GI	none	Score	.95
Exons	14887..15096, 15574..15936, 16412..16927		

Seq. No.	56835	Seq. ID	OJ000313_09.0418.C5
Gene No.	118879	Strand	+
Start	14887	End	20050
Name	OJ000313_09.0418.C5.o2.np	Method	AAT/NAP
Start	14977	End	19977
GI	7527728	Score	562
Exons	14977..15206, 15577..15936, 16412..16888, 19900..19977		
GI Descrip.	(AC010657) T5E21.9 [Arabidopsis thaliana]		

Seq. No.	56835	Seq. ID	OJ000313_09.0418.C5
Gene No.	118879	Strand	+
Start	14887	End	20050
Name	OJ000313_09.0418.C5.o5.gs	Method	GENSCAN
Start	18734	End	20050
GI	none	Score	.94

Exons	18734..18961, 19051..19398, 19475..20050		
Seq. No.	56835	Seq. ID	OJ000313_09.0418.C5
Gene No.	118880	Strand	+
Start	23316	End	28457
Name	OJ000313_09.0418.C5.o6.gs	Method	GENSCAN
Start	23316	End	27979
GI	none	Score	.67
Exons	23316..23355, 23452..23551, 24526..24845, 25931..26069, 26301..26475, 26617..26703, 26819..26887, 27012..27108, 27384..27466, 27747..27854, 27974..27979		
Seq. No.	56835	Seq. ID	OJ000313_09.0418.C5
Gene No.	118880	Strand	+
Start	23316	End	28457
Name	OJ000313_09.0418.C5.o3.np	Method	AAT/NAP
Start	24620	End	28457
GI	6382536	Score	997
Exons	24620..24937, 25394..25467, 25818..26069, 26307..26475, 26617..26703, 26819..26891, 26994..27108, 27384..27466, 27747..27846, 28038..28167, 28295..28457		
GI Descrip.	(AC011020) putative glucosidase I [Arabidopsis thaliana]		
Seq. No.	56835	Seq. ID	OJ000313_09.0418.C5
Gene No.	118881	Strand	-
Start	1	End	1652
Name	OJ000313_09.0418.C5.o1.np	Method	AAT/NAP
Start	1	End	1652
GI	6983857	Score	1321
Exons	1..235, 267..727, 898..1459, 1523..1652		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		
Seq. No.	56835	Seq. ID	OJ000313_09.0418.C5
Gene No.	118882	Strand	-
Start	1735	End	1908
Name	OJ000313_09.0418.C5.o1.gp	Method	AAT/GAP
Start	1735	End	1908
GI	5667165	Score	284
Exons	1735..1908		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		
Seq. No.	56835	Seq. ID	OJ000313_09.0418.C5
Gene No.	118883	Strand	
Start	6171	End	20058
Name	OJ000313_09.0418.C5.o1.tw	Method	TBLASTX:Wheat
Start	6171	End	19293
GI	none	Score	125
Exons	6171..6311, 6188..6310, 6375..6404, 9954..10202, 9991..10218, 15577..15804, 15579..15788, 19077..19292, 19081..19293, 19177..19293		
Seq. No.	56835	Seq. ID	OJ000313_09.0418.C5
Gene No.	118883	Strand	
Start	6171	End	20058
Name	OJ000313_09.0418.C5.o3.tm	Method	TBLASTX:Maize
Start	6180	End	19250

GI	none	Score	121
Exons	6180..6317, 6209..6313, 9987..10127, 10000..10134, 15573..15713, 15586..15720, 18728..18814, 18739..18864, 18754..18822, 19051..19248, 19077..19250		

Seq. No.	56835	Seq. ID	OJ000313_09.0418.C5
Gene No.	118883	Strand	
Start	6171	End	20058
Name	OJ000313_09.0418.C5.o1.ts	Method	TBLASTX:Soybean
Start	6186	End	19269
GI	none	Score	104
Exons	6186..6314, 6209..6310, 10003..10128, 10038..10127, 15589..15780, 15612..15719, 19077..19265, 19084..19269		

Seq. No.	56835	Seq. ID	OJ000313_09.0418.C5
Gene No.	118883	Strand	
Start	6171	End	20058
Name	OJ000313_09.0418.C5.o5.tm	Method	TBLASTX:Maize
Start	6363	End	19431
GI	none	Score	200
Exons	6363..6533, 6374..6535, 6386..6535, 10177..10227, 15768..15938, 15769..15936, 19252..19299, 19285..19431		

Seq. No.	56835	Seq. ID	OJ000313_09.0418.C5
Gene No.	118883	Strand	
Start	6171	End	20058
Name	OJ000313_09.0418.C5.o1.tc	Method	TBLASTX:Cress
Start	6393	End	19768
GI	none	Score	114
Exons	6393..6533, 6781..6951, 6803..7021, 15796..15936, 16412..16630, 19315..19431, 19544..19768		

Seq. No.	56835	Seq. ID	OJ000313_09.0418.C5
Gene No.	118883	Strand	
Start	6171	End	20058
Name	OJ000313_09.0418.C5.o1.tm	Method	TBLASTX:Maize
Start	6788	End	19783
GI	none	Score	188
Exons	6788..6943, 6803..7039, 16411..16632, 16412..16651, 16580..16651, 19541..19783, 19555..19779		

Seq. No.	56835	Seq. ID	OJ000313_09.0418.C5
Gene No.	118883	Strand	
Start	6171	End	20058
Name	OJ000313_09.0418.C5.o2.ts	Method	TBLASTX:Soybean
Start	7040	End	20023
GI	none	Score	65
Exons	7040..7099, 7112..7216, 10228..10368, 10229..10378, 16655..16885, 16690..16821, 19823..20023, 19825..19995		

Seq. No.	56835	Seq. ID	OJ000313_09.0418.C5
Gene No.	118883	Strand	
Start	6171	End	20058
Name	OJ000313_09.0418.C5.o2.tm	Method	TBLASTX:Maize
Start	7043	End	20058
GI	none	Score	83
Exons	7043..7111, 7112..7210, 10229..10378, 10291..10404,		

16664..16876, 16705..16857, 19823..20050, 19823..19912, 19825..20058

Seq. No.	56835	Seq. ID	OJ000313_09.0418.C5
Gene No.	118884	Strand	
Start	27422	End	28391
Name	OJ000313_09.0418.C5.o4.tm	Method	TBLASTX:Maize
Start	27422	End	28391
GI	none	Score	74
Exons	27422..27469, 27744..27854, 27755..27859, 27755..27853, 28024..28152, 28039..28167, 28046..28168, 28295..28390, 28296..28391		

Seq. No.	56835	Seq. ID	OJ000313_09.0418.C5
Gene No.	118884	Strand	
Start	27422	End	28391
Name	OJ000313_09.0418.C5.o2.tw	Method	TBLASTX:Wheat
Start	27740	End	28391
GI	none	Score	150
Exons	27740..27850, 27744..27854, 27744..27851, 27755..27859, 28024..28152, 28039..28167, 28046..28168, 28046..28168, 28047..28169, 28295..28390, 28296..28391		

Seq. No.	56836	Seq. ID	OJ000403_02.0421.C2
Gene No.	118885	Strand	+
Start	1126	End	1748
Name	OJ000403_02.0421.C2.o2.gs	Method	GENSCAN
Start	1126	End	1748
GI	none	Score	.9
Exons	1126..1325, 1659..1748		

Seq. No.	56837	Seq. ID	OJ000403_02.0421.C3
Gene No.	118886	Strand	+
Start	1	End	3127
Name	OJ000403_02.0421.C3.o1.np	Method	AAT/NAP
Start	1	End	3127
GI	7486337	Score	148
Exons	1..24, 403..602, 1057..1354, 3047..3127		
GI Descrip.	hypothetical protein F28P10.190 - Arabidopsis thaliana gi|4678310|emb|CAB41101.1| (AL049655) putative protein [Arabidopsis thaliana]		

Seq. No.	56837	Seq. ID	OJ000403_02.0421.C3
Gene No.	118886	Strand	+
Start	1	End	3127
Name	OJ000403_02.0421.C3.o2.np	Method	AAT/NAP
Start	1331	End	1505
GI	4325354	Score	55
Exons	1331..1505		
GI Descrip.	(AF128395) contains similarity to retrovirus-related polyproteins and to CCHC zinc finger protein (Pfam: PF00098, Score=16.3, E=0.051, E= 1) [Arabidopsis thaliana]		

Seq. No.	56837	Seq. ID	OJ000403_02.0421.C3
Gene No.	118886	Strand	+
Start	1	End	3127
Name	OJ000403_02.0421.C3.o3.np	Method	AAT/NAP

Start	1510	End	3127
GI	6498436	Score	244
Exons	1510..1704, 1753..2185, 2361..2535, 2583..2786, 3088..3127		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	56838	Seq. ID	OJ000403_02.0421.C4
Gene No.	118887	Strand	-
Start	989	End	1536
Name	OJ000403_02.0421.C4.o2.gs	Method	GENSCAN
Start	989	End	1536
GI	none	Score	.78
Exons	989..1110, 1386..1536		

Seq. No.	56839	Seq. ID	OJ000403_02.0421.C5
Gene No.	118888	Strand	+
Start	9131	End	9476
Name	OJ000403_02.0421.C5.o2.gs	Method	GENSCAN
Start	9131	End	9476
GI	none	Score	.74
Exons	9131..9402, 9407..9476		

Seq. No.	56839	Seq. ID	OJ000403_02.0421.C5
Gene No.	118889	Strand	+
Start	12938	End	15114
Name	OJ000403_02.0421.C5.o5.gs	Method	GENSCAN
Start	12938	End	15114
GI	none	Score	.6
Exons	12938..13080, 13556..13615, 13632..13787, 14907..15114		

Seq. No.	56839	Seq. ID	OJ000403_02.0421.C5
Gene No.	118890	Strand	-
Start	11691	End	12262
Name	OJ000403_02.0421.C5.o4.gs	Method	GENSCAN
Start	11691	End	12262
GI	none	Score	.78
Exons	11691..11788, 12172..12262		

Seq. No.	56839	Seq. ID	OJ000403_02.0421.C5
Gene No.	118891	Strand	-
Start	15785	End	15902
Name	OJ000403_02.0421.C5.o1.tm	Method	TBLASTX:Maize
Start	6587	End	7029
GI	none	Score	111
Exons	6587..6709, 6753..6854, 6937..7029		

Seq. No.	56839	Seq. ID	OJ000403_02.0421.C5
Gene No.	118891	Strand	-
Start	15785	End	15902
Name	OJ000403_02.0421.C5.o1.np	Method	AAT/NAP
Start	15785	End	15902
GI	7339719	Score	25
Exons	15785..15902		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	56840	Seq. ID	OJ000403_02.0421.C6
Gene No.	118892	Strand	+
Start	117	End	2978

Name	OJ000403_02.0421.C6.o1.gs	Method	GENSCAN
Start	117	End	2978
GI	none	Score	.66
Exons	117..197, 576..845, 1122..1709, 1718..1749, 1782..1914, 2288..2483, 2712..2978		

Seq. No.	56841	Seq. ID	OJ000403_02.0421.C7
Gene No.	118893	Strand	-
Start	1	End	240
Name	OJ000403_02.0421.C7.o1.np	Method	AAT/NAP
Start	1	End	240
GI	6686886	Score	58
Exons	1..240		
GI Descrip.	(AJ270303) putative beta-galactosidase [Arabidopsis thaliana]		

Seq. No.	56842	Seq. ID	OJ000403_02.0421.C8
Gene No.	118894	Strand	+
Start	2462	End	4802
Name	OJ000403_02.0421.C8.o2.np	Method	AAT/NAP
Start	2462	End	4802
GI	4335748	Score	122
Exons	2462..2543, 2652..2791, 4753..4802		
GI Descrip.	(AC006284) putative integral membrane protein [Arabidopsis thaliana]		

Seq. No.	56842	Seq. ID	OJ000403_02.0421.C8
Gene No.	118895	Strand	-
Start	196	End	5196
Name	OJ000403_02.0421.C8.o1.gs	Method	GENSCAN
Start	196	End	5196
GI	none	Score	.52
Exons	196..233, 301..572, 1941..2055, 5168..5196		

Seq. No.	56842	Seq. ID	OJ000403_02.0421.C8
Gene No.	118895	Strand	-
Start	196	End	5196
Name	OJ000403_02.0421.C8.o1.np	Method	AAT/NAP
Start	563	End	1148
GI	4680199	Score	110
Exons	563..656, 918..1148		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	56843	Seq. ID	OJ000403_02.0421.C9
Gene No.	118896	Strand	+
Start	1963	End	7516
Name	OJ000403_02.0421.C9.o2.gs	Method	GENSCAN
Start	1963	End	7468
GI	none	Score	.63
Exons	1963..1990, 3770..4183, 4970..5128, 5133..5292, 5392..5523, 5836..5948, 5987..6074, 6201..6329, 6411..6633, 6775..7468		

Seq. No.	56843	Seq. ID	OJ000403_02.0421.C9
Gene No.	118896	Strand	+
Start	1963	End	7516
Name	OJ000403_02.0421.C9.o3.gp	Method	AAT/GAP
Start	5003	End	5835
GI	95583_1.R1084	Score	1366

Exons	5003..5292, 5392..5835		
GI Descrip.	'343696/gb|K01229|WHTMTRR18 0.0e+00 Wheat mitochondrial small subunit (18S) rRNA gene (complete)'		

Seq. No.	56843	Seq. ID	OJ000403_02.0421.C9
Gene No.	118896	Strand	+
Start	1963	End	7516
Name	OJ000403_02.0421.C9.o1.np	Method	AAT/NAP
Start	5236	End	7516
GI	7485859	Score	342
Exons	5236..5292, 6459..6648, 6766..7516		
GI Descrip.	hypothetical protein F20D10.300 - Arabidopsis thaliana gi|4467124|emb|CAB37558.1| (AL035538) hypothetical protein [Arabidopsis thaliana] gi|7270802|emb|CAB80483.1| (AL161593) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56843	Seq. ID	OJ000403_02.0421.C9
Gene No.	118897	Strand	-
Start	1065	End	1457
Name	OJ000403_02.0421.C9.o1.gs	Method	GENSCAN
Start	1065	End	1457
GI	none	Score	1
Exons	1065..1457		

Seq. No.	56843	Seq. ID	OJ000403_02.0421.C9
Gene No.	118898	Strand	-
Start	3587	End	4155
Name	OJ000403_02.0421.C9.o2.tm	Method	TBLASTX:Maize
Start	1049	End	3854
GI	none	Score	127
Exons	1049..1201, 1065..1214, 1068..1202, 1087..1251, 1198..1266, 1290..1451, 1305..1454, 1327..1461, 3762..3824, 3764..3826, 3767..3844, 3768..3854		

Seq. No.	56843	Seq. ID	OJ000403_02.0421.C9
Gene No.	118898	Strand	-
Start	3587	End	4155
Name	OJ000403_02.0421.C9.o3.ts	Method	TBLASTX:Soybean
Start	1107	End	1452
GI	none	Score	82
Exons	1107..1202, 1110..1202, 1269..1355, 1320..1349, 1354..1452, 1359..1451		

Seq. No.	56843	Seq. ID	OJ000403_02.0421.C9
Gene No.	118898	Strand	-
Start	3587	End	4155
Name	OJ000403_02.0421.C9.o1.tm	Method	TBLASTX:Maize
Start	1685	End	2060
GI	none	Score	436
Exons	1685..2056, 1686..2060		

Seq. No.	56843	Seq. ID	OJ000403_02.0421.C9
Gene No.	118898	Strand	-
Start	3587	End	4155
Name	OJ000403_02.0421.C9.o1.ts	Method	TBLASTX:Soybean
Start	1688	End	2058
GI	none	Score	277

Exons	1688..2053, 1720..2058, 1725..2054, 1867..2058		
Seq. No.	56843	Seq. ID	OJ000403_02.0421.C9
Gene No.	118898	Strand	-
Start	3587	End	4155
Name	OJ000403_02.0421.C9.o1.gp	Method	AAT/GAP
Start	3587	End	4155
GI	2280558	Score	781
Exons	3587..3901, 4018..4155		
Seq. No.	56843	Seq. ID	OJ000403_02.0421.C9
Gene No.	118899	Strand	
Start	7135	End	7467
Name	OJ000403_02.0421.C9.o1.tc	Method	TBLASTX:Cress
Start	7135	End	7467
GI	none	Score	243
Exons	7135..7467, 7213..7467		
Seq. No.	56843	Seq. ID	OJ000403_02.0421.C9
Gene No.	118899	Strand	
Start	7135	End	7467
Name	OJ000403_02.0421.C9.o3.tm	Method	TBLASTX:Maize
Start	7162	End	7467
GI	none	Score	250
Exons	7162..7467, 7267..7446		
Seq. No.	56843	Seq. ID	OJ000403_02.0421.C9
Gene No.	118899	Strand	
Start	7135	End	7467
Name	OJ000403_02.0421.C9.o2.ts	Method	TBLASTX:Soybean
Start	7165	End	7467
GI	none	Score	246
Exons	7165..7467		
Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o1.np	Method	AAT/NAP
Start	1	End	2739
GI	7489737	Score	518
Exons	1..108, 1137..1975, 2014..2536, 2612..2739		
GI Descrip.	gag protein homolog - maize retrotransposon Opie-2 gi|3645898|gb|AAC49501.1| (U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		
Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o2.np	Method	AAT/NAP
Start	1	End	4294
GI	4416301	Score	443
Exons	1..108, 1137..2570, 4273..4294		
GI Descrip.	(AF105716) gag protein [Zea mays]		
Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633

Name	OJ000403_02.0421.C10.o1.gs	Method	GENSCAN
Start	1256	End	1705
GI	none	Score	.65
Exons	1256..1705		

Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o7.tm	Method	TBLASTX:Maize
Start	1286	End	1690
GI	none	Score	251
Exons	1286..1690, 1325..1576		

Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o2.gs	Method	GENSCAN
Start	1999	End	6633
GI	none	Score	.65
Exons	1999..2908, 3029..3243, 3316..3459, 3566..4114, 4241..4765, 4840..5043, 5164..5961, 6142..6633		

Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o8.tm	Method	TBLASTX:Maize
Start	3211	End	3498
GI	none	Score	79
Exons	3211..3264, 3214..3264, 3216..3278, 3270..3395, 3274..3498, 3280..3486		

Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o3.np	Method	AAT/NAP
Start	3370	End	6633
GI	4416302	Score	3789
Exons	3370..4774, 4840..6633		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o4.tm	Method	TBLASTX:Maize
Start	3560	End	3955
GI	none	Score	134
Exons	3560..3679, 3677..3955, 3677..3943, 3685..3954		

Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o2.tw	Method	TBLASTX:Wheat
Start	3719	End	4297
GI	none	Score	266
Exons	3719..3967, 3721..3948, 3980..4003, 3981..4013, 4003..4146, 4007..4150, 4223..4297, 4223..4294, 4225..4296		

Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o2.tm	Method	TBLASTX:Maize
Start	3955	End	4649
GI	none	Score	103
Exons	3955..4029, 3956..4027, 4027..4146, 4028..4156, 4162..4212, 4164..4211, 4223..4624, 4224..4649, 4225..4611		

Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o3.ts	Method	TBLASTX:Soybean
Start	4223	End	4603
GI	none	Score	198
Exons	4223..4453, 4225..4347, 4378..4452, 4502..4603		

Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o4.tw	Method	TBLASTX:Wheat
Start	4385	End	4624
GI	none	Score	106
Exons	4385..4456, 4462..4611, 4475..4624, 4499..4624		

Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o5.tm	Method	TBLASTX:Maize
Start	4936	End	5262
GI	none	Score	404
Exons	4936..5262, 4972..5259		

Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o1.ts	Method	TBLASTX:Soybean
Start	4998	End	5603
GI	5509260	Score	227
Exons	4998..5219, 4999..5217, 5224..5256, 5247..5603, 5248..5601, 5256..5603		
GI Descrip.	-		

Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o1.tw	Method	TBLASTX:Wheat
Start	5140	End	5589
GI	none	Score	86
Exons	5140..5217, 5221..5256, 5248..5589, 5250..5576		

Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o2.tc	Method	TBLASTX:Cress
Start	5206	End	5484
GI	none	Score	50

Exons	5206..5247, 5251..5484, 5283..5357		
Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o3.tm	Method	TBLASTX:Maize
Start	5263	End	5730
GI	none	Score	649
Exons	5263..5730, 5265..5729		
Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o6.tm	Method	TBLASTX:Maize
Start	5752	End	5955
GI	none	Score	257
Exons	5752..5955, 5772..5954		
Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o3.tw	Method	TBLASTX:Wheat
Start	5773	End	6189
GI	none	Score	95
Exons	5773..5937, 5953..6189		
Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o1.tm	Method	TBLASTX:Maize
Start	5956	End	6633
GI	none	Score	966
Exons	5956..6627, 5964..6566, 5965..6633		
Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o2.ts	Method	TBLASTX:Soybean
Start	5974	End	6615
GI	none	Score	279
Exons	5974..6372, 6183..6305, 6295..6351, 6382..6615		
Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o1.tc	Method	TBLASTX:Cress
Start	6154	End	6612
GI	none	Score	65
Exons	6154..6243, 6247..6381, 6400..6612		
Seq. No.	56844	Seq. ID	OJ000403_02.0421.C10
Gene No.	118900	Strand	+
Start	1	End	6633
Name	OJ000403_02.0421.C10.o5.tw	Method	TBLASTX:Wheat
Start	6199	End	6567
GI	none	Score	103
Exons	6199..6369, 6391..6567		

Seq. No.	56845	Seq. ID	OJ000403_02.0421.C11
Gene No.	118901	Strand	+
Start	497	End	4414
Name	OJ000403_02.0421.C11.o1.gs	Method	GENSCAN
Start	497	End	4414
GI	none	Score	.48
Exons	497..888, 955..1447, 2706..3037, 3461..3679, 4018..4414		

Seq. No.	56845	Seq. ID	OJ000403_02.0421.C11
Gene No.	118902	Strand	+
Start	6919	End	12944
Name	OJ000403_02.0421.C11.o1.np	Method	AAT/NAP
Start	6919	End	12025
GI	2583130	Score	1449
Exons	6919..6945, 8317..12025		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	56845	Seq. ID	OJ000403_02.0421.C11
Gene No.	118902	Strand	+
Start	6919	End	12944
Name	OJ000403_02.0421.C11.o2.gs	Method	GENSCAN
Start	8435	End	12944
GI	none	Score	.45
Exons	8435..8482, 8710..8778, 8784..10396, 11513..11567, 11606..11836, 12260..12303, 12611..12944		

Seq. No.	56845	Seq. ID	OJ000403_02.0421.C11
Gene No.	118903	Strand	+
Start	15287	End	15348
Name	OJ000403_02.0421.C11.o1.gp	Method	AAT/GAP
Start	15287	End	15348
GI	LIB3431-030-P1-N1-G8	Score	87
Exons	15287..15348		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	56845	Seq. ID	OJ000403_02.0421.C11
Gene No.	118904	Strand	-
Start	14752	End	23546
Name	OJ000403_02.0421.C11.o1.tw	Method	TBLASTX:Wheat
Start	9296	End	9715
GI	none	Score	312
Exons	9296..9592, 9297..9632, 9620..9715, 9627..9713		

Seq. No.	56845	Seq. ID	OJ000403_02.0421.C11
Gene No.	118904	Strand	-
Start	14752	End	23546
Name	OJ000403_02.0421.C11.o2.tm	Method	TBLASTX:Maize
Start	9453	End	10085
GI	none	Score	118
Exons	9453..9611, 9636..10085		

Seq. No.	56845	Seq. ID	OJ000403_02.0421.C11
Gene No.	118904	Strand	-
Start	14752	End	23546

Name	OJ000403_02.0421.C11.o2.ts	Method	TBLASTX:Soybean
Start	9627	End	9893
GI	none	Score	187
Exons	9627..9893		

Seq. No.	56845	Seq. ID	OJ000403_02.0421.C11
Gene No.	118904	Strand	-
Start	14752	End	23546
Name	OJ000403_02.0421.C11.o4.tw	Method	TBLASTX:Wheat
Start	9723	End	9923
GI	none	Score	211
Exons	9723..9923, 9743..9922		

Seq. No.	56845	Seq. ID	OJ000403_02.0421.C11
Gene No.	118904	Strand	-
Start	14752	End	23546
Name	OJ000403_02.0421.C11.o1.ts	Method	TBLASTX:Soybean
Start	9936	End	10376
GI	none	Score	76
Exons	9936..10085, 10071..10256, 10269..10376		

Seq. No.	56845	Seq. ID	OJ000403_02.0421.C11
Gene No.	118904	Strand	-
Start	14752	End	23546
Name	OJ000403_02.0421.C11.o3.tw	Method	TBLASTX:Wheat
Start	10172	End	10564
GI	none	Score	257
Exons	10172..10480, 10173..10484, 10508..10564		

Seq. No.	56845	Seq. ID	OJ000403_02.0421.C11
Gene No.	118904	Strand	-
Start	14752	End	23546
Name	OJ000403_02.0421.C11.o3.tm	Method	TBLASTX:Maize
Start	10242	End	10618
GI	none	Score	183
Exons	10242..10484, 10508..10618		

Seq. No.	56845	Seq. ID	OJ000403_02.0421.C11
Gene No.	118904	Strand	-
Start	14752	End	23546
Name	OJ000403_02.0421.C11.o2.np	Method	AAT/NAP
Start	14752	End	23124
GI	7228438	Score	3267
Exons	14752..14816, 16250..16673, 17994..18144, 18237..18507, 18612..18910, 18991..19404, 19490..19585, 21144..23124		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	56845	Seq. ID	OJ000403_02.0421.C11
Gene No.	118904	Strand	-
Start	14752	End	23546
Name	OJ000403_02.0421.C11.o4.gs	Method	GENSCAN
Start	16130	End	23546
GI	none	Score	.53
Exons	16130..16166, 16349..16572, 16961..17193, 17257..17580, 17889..18144, 18237..18507, 18612..18910, 18991..19109,		

19182..19404, 19490..19856, 19932..20085, 20552..20905,
21077..21244, 21328..22075, 22169..22393, 22574..22749,
22869..22875, 23008..23213, 23472..23546

Seq. No.	56845	Seq. ID	OJ000403_02.0421.C11
Gene No.	118904	Strand	-
Start	14752	End	23546
Name	OJ000403_02.0421.C11.o2.gp	Method	AAT/GAP
Start	17564	End	19817
GI	LIB3433-020-P1-K1-A6	Score	724
Exons	17564..17944, 19775..19817		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	56845	Seq. ID	OJ000403_02.0421.C11
Gene No.	118904	Strand	-
Start	14752	End	23546
Name	OJ000403_02.0421.C11.o2.tw	Method	TBLASTX:Wheat
Start	21506	End	21883
GI	none	Score	60
Exons	21506..21679, 21517..21657, 21612..21680, 21704..21880, 21729..21881, 21734..21883		

Seq. No.	56845	Seq. ID	OJ000403_02.0421.C11
Gene No.	118904	Strand	-
Start	14752	End	23546
Name	OJ000403_02.0421.C11.o1.tm	Method	TBLASTX:Maize
Start	21581	End	22177
GI	none	Score	176
Exons	21581..21652, 21699..21998, 21710..22177		

Seq. No.	56846	Seq. ID	OJ000403_02.0421.C12
Gene No.	118905	Strand	+
Start	120	End	1617
Name	OJ000403_02.0421.C12.o1.gs	Method	GENSCAN
Start	120	End	1617
GI	none	Score	.73
Exons	120..464, 559..717, 809..865, 950..1181, 1317..1617		

Seq. No.	56847	Seq. ID	OJ000403_02.0421.C13
Gene No.	118906	Strand	+
Start	196	End	441
Name	OJ000403_02.0421.C13.o1.gs	Method	GENSCAN
Start	196	End	441
GI	none	Score	.91
Exons	196..240, 328..441		

Seq. No.	56848	Seq. ID	OJ000403_02.0421.C16
Gene No.	118907	Strand	+
Start	124	End	310
Name	OJ000403_02.0421.C16.o1.gs	Method	GENSCAN
Start	124	End	310
GI	none	Score	.88
Exons	124..186, 194..310		

Seq. No.	56848	Seq. ID	OJ000403_02.0421.C16
Gene No.	118908	Strand	+

Start	1235	End	1623
Name	OJ000403_02.0421.C16.o1.gp	Method	AAT/GAP
Start	1235	End	1623
GI	none	Score	766
Exons	1235..1623		

Seq. No.	56848	Seq. ID	OJ000403_02.0421.C16
Gene No.	118909	Strand	-
Start	13	End	4129
Name	OJ000403_02.0421.C16.o2.np	Method	AAT/NAP
Start	13	End	4129
GI	7487327	Score	250
Exons	13..58, 3535..4129		
GI Descrip.	hypothetical protein T22A6.30 - Arabidopsis thaliana gi|5051762|emb|CAB45055.1| (AL078637) hypothetical protein [Arabidopsis thaliana] gi|7269270|emb|CAB79330.1| (AL161561) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56848	Seq. ID	OJ000403_02.0421.C16
Gene No.	118909	Strand	-
Start	13	End	4129
Name	OJ000403_02.0421.C16.o1.np	Method	AAT/NAP
Start	267	End	3990
GI	7487128	Score	95
Exons	267..286, 3322..3364, 3689..3990		
GI Descrip.	hypothetical protein T17F15.70 - Arabidopsis thaliana gi|4678322|emb|CAB41133.1| (AL049658) putative protein [Arabidopsis thaliana]		

Seq. No.	56848	Seq. ID	OJ000403_02.0421.C16
Gene No.	118909	Strand	-
Start	13	End	4129
Name	OJ000403_02.0421.C16.o1.tm	Method	TBLASTX:Maize
Start	1167	End	1969
GI	none	Score	56
Exons	1167..1205, 1167..1214, 1196..1246, 1196..1309, 1198..1305, 1280..1318, 1332..1373, 1420..1479, 1430..1480, 1465..1656, 1485..1664, 1487..1669, 1645..1719, 1651..1719, 1717..1854, 1724..1786, 1855..1968, 1856..1969		

Seq. No.	56848	Seq. ID	OJ000403_02.0421.C16
Gene No.	118909	Strand	-
Start	13	End	4129
Name	OJ000403_02.0421.C16.o2.tm	Method	TBLASTX:Maize
Start	2008	End	2464
GI	none	Score	91
Exons	2008..2109, 2009..2107, 2013..2138, 2018..2125, 2073..2258, 2098..2238, 2131..2265, 2242..2463, 2244..2462, 2252..2464		

Seq. No.	56848	Seq. ID	OJ000403_02.0421.C16
Gene No.	118909	Strand	-
Start	13	End	4129
Name	OJ000403_02.0421.C16.o2.gp	Method	AAT/GAP
Start	2180	End	2528
GI	none	Score	679
Exons	2180..2528		

Seq. No.	56849	Seq. ID	OJ000403_02.0421.C18
Gene No.	118910	Strand	-
Start	333	End	466
Name	OJ000403_02.0421.C18.o1.gs	Method	GENSCAN
Start	333	End	466
GI	none	Score	.72
Exons	333..466		

Seq. No.	56850	Seq. ID	OJ000113_05.0426.C1
Gene No.	118911	Strand	-
Start	1	End	1288
Name	OJ000113_05.0426.C1.o1.gp	Method	AAT/GAP
Start	1	End	87
GI	3763404	Score	150
Exons	1..87		
GI Descrip.	4102725 1.0e-42 (AF015785) TATA-box binding protein [Phaseolus vulgaris]		

Seq. No.	56850	Seq. ID	OJ000113_05.0426.C1
Gene No.	118911	Strand	-
Start	1	End	1288
Name	OJ000113_05.0426.C1.o1.np	Method	AAT/NAP
Start	1	End	1288
GI	1351224	Score	202
Exons	1..96, 198..242, 311..361, 1238..1288		
GI Descrip.	TRANSCRIPTION INITIATION FACTOR TFIID (TATA-BOX FACTOR) (TATA SEQUENCE-BINDING PROTEIN) (TBP) gi|841440|gb|AAA80641.1| (U25275) TATA-binding protein [Mesembryanthemum crystallinum]		

Seq. No.	56850	Seq. ID	OJ000113_05.0426.C1
Gene No.	118911	Strand	-
Start	1	End	1288
Name	OJ000113_05.0426.C1.o1.ts	Method	TBLASTX:Soybean
Start	4	End	380
GI	none	Score	60
Exons	4..45, 4..45, 5..55, 6..56, 6..56, 36..98, 50..97, 52..108, 60..134, 196..246, 196..243, 198..245, 311..361, 312..362, 312..380		

Seq. No.	56850	Seq. ID	OJ000113_05.0426.C1
Gene No.	118911	Strand	-
Start	1	End	1288
Name	OJ000113_05.0426.C1.o1.tc	Method	TBLASTX:Cress
Start	5	End	362
GI	none	Score	63
Exons	5..55, 6..56, 52..108, 56..97, 196..246, 198..245, 311..361, 312..362		

Seq. No.	56850	Seq. ID	OJ000113_05.0426.C1
Gene No.	118911	Strand	-
Start	1	End	1288
Name	OJ000113_05.0426.C1.o1.tm	Method	TBLASTX:Maize
Start	5	End	362
GI	none	Score	66
Exons	5..58, 5..55, 6..56, 52..108, 59..130, 196..246, 196..243, 198..245, 311..361, 311..361, 312..362, 312..362		

Seq. No.	56851	Seq. ID	OJ000113_05.0426.C2
Gene No.	118912	Strand	+
Start	1	End	1071
Name	OJ000113_05.0426.C2.o1.np	Method	AAT/NAP
Start	1	End	958
GI	6630696	Score	1540
Exons	1..958		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	56851	Seq. ID	OJ000113_05.0426.C2
Gene No.	118912	Strand	+
Start	1	End	1071
Name	OJ000113_05.0426.C2.o1.ts	Method	TBLASTX:Soybean
Start	2	End	340
GI	none	Score	123
Exons	2..151, 152..340, 169..339		

Seq. No.	56851	Seq. ID	OJ000113_05.0426.C2
Gene No.	118912	Strand	+
Start	1	End	1071
Name	OJ000113_05.0426.C2.o1.tm	Method	TBLASTX:Maize
Start	143	End	490
GI	none	Score	341
Exons	143..490, 178..489		

Seq. No.	56851	Seq. ID	OJ000113_05.0426.C2
Gene No.	118912	Strand	+
Start	1	End	1071
Name	OJ000113_05.0426.C2.o1.tw	Method	TBLASTX:Wheat
Start	347	End	822
GI	none	Score	105
Exons	347..421, 347..412, 352..420, 436..822, 437..820		

Seq. No.	56851	Seq. ID	OJ000113_05.0426.C2
Gene No.	118912	Strand	+
Start	1	End	1071
Name	OJ000113_05.0426.C2.o2.ts	Method	TBLASTX:Soybean
Start	353	End	694
GI	none	Score	89
Exons	353..466, 388..447, 485..694, 490..615		

Seq. No.	56851	Seq. ID	OJ000113_05.0426.C2
Gene No.	118912	Strand	+
Start	1	End	1071
Name	OJ000113_05.0426.C2.o2.tm	Method	TBLASTX:Maize
Start	832	End	1071
GI	none	Score	109
Exons	832..921, 833..922, 834..923, 961..1071, 972..1070		

Seq. No.	56852	Seq. ID	OJ000113_05.0426.C3
Gene No.	118913	Strand	+
Start	574	End	862
Name	OJ000113_05.0426.C3.o1.gp	Method	AAT/GAP
Start	574	End	862
GI	426253	Score	502

Exons	574..862		
Seq. No.	56852	Seq. ID	OJ000113_05.0426.C3
Gene No.	118914	Strand	+
Start	940	End	2151
Name	OJ000113_05.0426.C3.o1.gs	Method	GENSCAN
Start	940	End	2151
GI	none	Score	.63
Exons	940..1113, 1902..2151		
Seq. No.	56852	Seq. ID	OJ000113_05.0426.C3
Gene No.	118915	Strand	+
Start	3126	End	7079
Name	OJ000113_05.0426.C3.o2.gs	Method	GENSCAN
Start	3126	End	6661
GI	none	Score	.85
Exons	3126..3368, 4063..4268, 5201..5480, 5825..5932, 6095..6348, 6532..6661		
Seq. No.	56852	Seq. ID	OJ000113_05.0426.C3
Gene No.	118915	Strand	+
Start	3126	End	7079
Name	OJ000113_05.0426.C3.o2.gp	Method	AAT/GAP
Start	5273	End	7079
GI	4257_1.R1084	Score	2285
Exons	5273..5480, 5825..5932, 6095..6351, 6415..7079		
GI Descrip.	'3650033 4.0e-43 (AC005396) unknown protein [Arabidopsis thaliana]'		
Seq. No.	56852	Seq. ID	OJ000113_05.0426.C3
Gene No.	118916	Strand	+
Start	7937	End	10083
Name	OJ000113_05.0426.C3.o3.gs	Method	GENSCAN
Start	7937	End	10083
GI	none	Score	.95
Exons	7937..8317, 8396..8628, 8732..8884, 9003..9036, 9147..9296, 9383..9517, 10057..10083		
Seq. No.	56852	Seq. ID	OJ000113_05.0426.C3
Gene No.	118916	Strand	+
Start	7937	End	10083
Name	OJ000113_05.0426.C3.o1.np	Method	AAT/NAP
Start	7943	End	9676
GI	7438513	Score	779
Exons	7943..8317, 8396..8628, 8732..8884, 9003..9036, 9147..9296, 9383..9517, 9605..9676		
GI Descrip.	cyclin A-type (clone 59) - common tobacco gi|1064931|emb|CAA63541.1| (X92965) cyclin A-like protein [Nicotiana tabacum]		
Seq. No.	56852	Seq. ID	OJ000113_05.0426.C3
Gene No.	118917	Strand	-
Start	11144	End	11779
Name	OJ000113_05.0426.C3.o2.tm	Method	TBLASTX:Maize
Start	4049	End	6518
GI	none	Score	199
Exons	4049..4276, 4056..4271, 4065..4280, 4075..4272, 5199..5297,		

5412..5480, 5822..5935, 5822..5911, 5824..5937, 5839..5961,
6088..6243, 6089..6259, 6092..6259, 6251..6349, 6251..6349,
6273..6341, 6411..6518, 6423..6509, 6430..6516

Seq. No.	56852	Seq. ID	OJ000113_05.0426.C3
Gene No.	118917	Strand	-
Start	11144	End	11779
Name	OJ000113_05.0426.C3.o2.ts	Method	TBLASTX:Soybean
Start	4056	End	6509
GI	none	Score	71

Exons 4056..4271, 4065..4271, 4078..4272, 4081..4272, 4088..4273,
5806..5940, 5822..5968, 5822..5986, 6088..6243, 6089..6271,
6254..6349, 6411..6509, 6432..6509

Seq. No.	56852	Seq. ID	OJ000113_05.0426.C3
Gene No.	118917	Strand	-
Start	11144	End	11779
Name	OJ000113_05.0426.C3.o2.tc	Method	TBLASTX:Cress
Start	4062	End	6515
GI	none	Score	98

Exons 4062..4271, 4071..4271, 4078..4272, 4127..4273, 5822..5935,
5839..5961, 6088..6189, 6089..6193, 6248..6349, 6411..6515,
6423..6494

Seq. No.	56852	Seq. ID	OJ000113_05.0426.C3
Gene No.	118917	Strand	-
Start	11144	End	11779
Name	OJ000113_05.0426.C3.o1.tw	Method	TBLASTX:Wheat
Start	5386	End	6283
GI	none	Score	112

Exons 5386..5481, 5389..5478, 5809..5961, 5822..5938, 5824..5949,
5825..5962, 6087..6245, 6088..6243, 6089..6259, 6095..6259,
6254..6283

Seq. No.	56852	Seq. ID	OJ000113_05.0426.C3
Gene No.	118917	Strand	-
Start	11144	End	11779
Name	OJ000113_05.0426.C3.o1.ts	Method	TBLASTX:Soybean
Start	8270	End	9517
GI	none	Score	54

Exons 8270..8323, 8393..8623, 8732..8884, 8733..8885, 8760..8888,
9162..9296, 9221..9295, 9404..9517, 9417..9437

Seq. No.	56852	Seq. ID	OJ000113_05.0426.C3
Gene No.	118917	Strand	-
Start	11144	End	11779
Name	OJ000113_05.0426.C3.o1.tc	Method	TBLASTX:Cress
Start	8399	End	9517
GI	none	Score	218

Exons 8399..8623, 8733..8885, 9162..9296, 9221..9295, 9392..9517,
9394..9507

Seq. No.	56852	Seq. ID	OJ000113_05.0426.C3
Gene No.	118917	Strand	-
Start	11144	End	11779
Name	OJ000113_05.0426.C3.o4.tm	Method	TBLASTX:Maize
Start	8399	End	8623

GI	none	Score	213
Exons	8399..8623		

Seq. No.	56852	Seq. ID	OJ000113_05.0426.C3
Gene No.	118917	Strand	-
Start	11144	End	11779
Name	OJ000113_05.0426.C3.o1.tm	Method	TBLASTX:Maize
Start	8729	End	9730
GI	none	Score	169
Exons	8729..8884, 8731..8880, 8732..8905, 8733..8885, 8733..8906, 8977..9045, 8997..9044, 9144..9296, 9148..9321, 9149..9295, 9150..9296, 9379..9516, 9385..9516, 9389..9517, 9602..9730, 9604..9729		

Seq. No.	56852	Seq. ID	OJ000113_05.0426.C3
Gene No.	118917	Strand	-
Start	11144	End	11779
Name	OJ000113_05.0426.C3.o3.tm	Method	TBLASTX:Maize
Start	11144	End	11653
GI	none	Score	48
Exons	11144..11182, 11148..11201, 11189..11236, 11190..11228, 11336..11527, 11337..11546, 11360..11548, 11609..11653		

Seq. No.	56852	Seq. ID	OJ000113_05.0426.C3
Gene No.	118917	Strand	-
Start	11144	End	11779
Name	OJ000113_05.0426.C3.o4.gs	Method	GENSCAN
Start	11144	End	11731
GI	none	Score	.94
Exons	11144..11731		

Seq. No.	56852	Seq. ID	OJ000113_05.0426.C3
Gene No.	118917	Strand	-
Start	11144	End	11779
Name	OJ000113_05.0426.C3.o3.gp	Method	AAT/GAP
Start	11199	End	11779
GI	LIB3434-044-P1-K1-F2	Score	1077
Exons	11199..11779		
GI Descrip.	'1362021/pir||S55887 1.0e-14 zink finger protein 7 - Arabidopsis thaliana >gi_790685 (L39650) zinc finger protein [Arabidopsis thaliana] >gi_2213609 (AC000103) F21J9.3 [Arabidopsis thaliana]'		

Seq. No.	56852	Seq. ID	OJ000113_05.0426.C3
Gene No.	118917	Strand	-
Start	11144	End	11779
Name	OJ000113_05.0426.C3.o2.np	Method	AAT/NAP
Start	11371	End	11719
GI	1362015	Score	147
Exons	11371..11719		
GI Descrip.	zinc finger protein 1 - Arabidopsis thaliana gi|2129779|pir||S71240 zinc finger protein 1 - Arabidopsis thaliana gi|790673 (L39644) zinc finger protein [Arabidopsis thaliana] gi|1297186 (U53501) zinc finger protein 1 [Arabidopsis thaliana] gi|6503285|gb|AAF14661.1|AC011713_9 (AC011713) Identical to gi|S55881 zinc finger protein 1 from Arabidopsis thaliana.		

Seq. No.	56853	Seq. ID	OJ000113_05.0426.C4
Gene No.	118918	Strand	+
Start	294	End	918
Name	OJ000113_05.0426.C4.o1.gs	Method	GENSCAN
Start	294	End	918
GI	none	Score	.7
Exons	294..329, 388..400, 851..918		

Seq. No.	56853	Seq. ID	OJ000113_05.0426.C4
Gene No.	118919	Strand	-
Start	1003	End	5404
Name	OJ000113_05.0426.C4.o2.np	Method	AAT/NAP
Start	1003	End	4589
GI	6069667	Score	46
Exons	1003..1042, 2803..2965, 4389..4589		
GI Descrip.	(AP000616) similar to UMP/CMP kinase (AF000147) [Oryza sativa]		

Seq. No.	56853	Seq. ID	OJ000113_05.0426.C4
Gene No.	118919	Strand	-
Start	1003	End	5404
Name	OJ000113_05.0426.C4.o1.np	Method	AAT/NAP
Start	1151	End	2576
GI	5852084	Score	84
Exons	1151..1249, 2553..2576		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	56853	Seq. ID	OJ000113_05.0426.C4
Gene No.	118919	Strand	-
Start	1003	End	5404
Name	OJ000113_05.0426.C4.o2.gs	Method	GENSCAN
Start	1217	End	1621
GI	none	Score	.48
Exons	1217..1621		

Seq. No.	56853	Seq. ID	OJ000113_05.0426.C4
Gene No.	118919	Strand	-
Start	1003	End	5404
Name	OJ000113_05.0426.C4.o3.gs	Method	GENSCAN
Start	2954	End	5404
GI	none	Score	.66
Exons	2954..3111, 3540..3574, 4428..4790, 4795..4911, 5277..5404		

Seq. No.	56853	Seq. ID	OJ000113_05.0426.C4
Gene No.	118919	Strand	-
Start	1003	End	5404
Name	OJ000113_05.0426.C4.o3.np	Method	AAT/NAP
Start	4881	End	5000
GI	552737	Score	60
Exons	4881..5000		
GI Descrip.	(M16559) ribosomal protein S14 [Zea mays] gi|225631|prf||1308119A ribosomal protein S14 [Zea mays]		

Seq. No.	56853	Seq. ID	OJ000113_05.0426.C4
Gene No.	118919	Strand	-
Start	1003	End	5404
Name	OJ000113_05.0426.C4.o1.tm	Method	TBLASTX:Maize
Start	4986	End	5147

GI	none	Score	216
Exons	4986..5147, 4987..5115		

Seq. No.	56854	Seq. ID	OJ000113_05.0426.C6
Gene No.	118920	Strand	+
Start	762	End	864
Name	OJ000113_05.0426.C6.o1.gp	Method	AAT/GAP
Start	762	End	864
GI	LIB3477-003-P1-K1-E9	Score	113
Exons	762..864		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	56855	Seq. ID	OJ000113_05.0426.C7
Gene No.	118921	Strand	+
Start	205	End	369
Name	OJ000113_05.0426.C7.o1.gs	Method	GENSCAN
Start	205	End	369
GI	none	Score	.45
Exons	205..369		

Seq. No.	56855	Seq. ID	OJ000113_05.0426.C7
Gene No.	118922	Strand	-
Start	1	End	5339
Name	OJ000113_05.0426.C7.o1.np	Method	AAT/NAP
Start	1	End	5339
GI	7228438	Score	3394
Exons	1..37, 1765..1857, 2015..2197, 2290..2549, 2626..2924, 3016..3337, 4013..4184, 4326..5339		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	56855	Seq. ID	OJ000113_05.0426.C7
Gene No.	118922	Strand	-
Start	1	End	5339
Name	OJ000113_05.0426.C7.o1.gp	Method	AAT/GAP
Start	664	End	1117
GI	LIB3431-045-P1-N1-A10	Score	852
Exons	664..1117		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	56855	Seq. ID	OJ000113_05.0426.C7
Gene No.	118922	Strand	-
Start	1	End	5339
Name	OJ000113_05.0426.C7.o2.gs	Method	GENSCAN
Start	942	End	5324
GI	none	Score	.61
Exons	942..1102, 1253..1455, 1460..1507, 1571..1752, 1792..1857, 2015..2197, 2290..2493, 2495..2549, 2626..2924, 3016..3365, 3749..3946, 4163..5020, 5102..5324		

Seq. No.	56855	Seq. ID	OJ000113_05.0426.C7
Gene No.	118922	Strand	-
Start	1	End	5339

Name	OJ000113_05.0426.C7.o2.gp	Method	AAT/GAP
Start	2298	End	2798
GI	LIB3475-007-P1-K1-G8	Score	790
Exons	2298..2549, 2626..2798		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	56855	Seq. ID	OJ000113_05.0426.C7
Gene No.	118922	Strand	-
Start	1	End	5339
Name	OJ000113_05.0426.C7.o1.tw	Method	TBLASTX:Wheat
Start	4689	End	5069
GI	none	Score	78
Exons	4689..4865, 4719..4865, 4750..4869, 4863..5060, 4875..5069		

Seq. No.	56855	Seq. ID	OJ000113_05.0426.C7
Gene No.	118922	Strand	-
Start	1	End	5339
Name	OJ000113_05.0426.C7.o1.tm	Method	TBLASTX:Maize
Start	4767	End	5201
GI	none	Score	147
Exons	4767..4838, 4902..5201, 4963..5181		

Seq. No.	56855	Seq. ID	OJ000113_05.0426.C7
Gene No.	118922	Strand	-
Start	1	End	5339
Name	OJ000113_05.0426.C7.o3.gp	Method	AAT/GAP
Start	4889	End	5320
GI	5701669	Score	841
Exons	4889..5320		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	56856	Seq. ID	OJ000113_05.0426.C8
Gene No.	118923	Strand	+
Start	802	End	1510
Name	OJ000113_05.0426.C8.o1.gs	Method	GENSCAN
Start	802	End	1510
GI	none	Score	.59
Exons	802..1157, 1250..1341, 1386..1510		

Seq. No.	56856	Seq. ID	OJ000113_05.0426.C8
Gene No.	118924	Strand	-
Start	1	End	3641
Name	OJ000113_05.0426.C8.o1.np	Method	AAT/NAP
Start	1	End	3641
GI	7228442	Score	799
Exons	1..220, 3367..3641		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	56856	Seq. ID	OJ000113_05.0426.C8
Gene No.	118924	Strand	-
Start	1	End	3641

Name	OJ000113_05.0426.C8.o2.gs	Method	GENSCAN
Start	2646	End	3576
GI	none	Score	.47
Exons	2646..2734, 3064..3163, 3379..3576		

Seq. No.	56857	Seq. ID	OJ000113_05.0426.C9
Gene No.	118925	Strand	-
Start	1	End	220
Name	OJ000113_05.0426.C9.o1.np	Method	AAT/NAP
Start	1	End	220
GI	7228442	Score	339
Exons	1..220		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	56857	Seq. ID	OJ000113_05.0426.C9
Gene No.	118926	Strand	-
Start	673	End	822
Name	OJ000113_05.0426.C9.o1.gp	Method	AAT/GAP
Start	673	End	822
GI	7406_1.R1084	Score	219
Exons	673..822		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	56857	Seq. ID	OJ000113_05.0426.C9
Gene No.	118927	Strand	-
Start	1518	End	2228
Name	OJ000113_05.0426.C9.o2.gs	Method	GENSCAN
Start	1518	End	2215
GI	none	Score	.5
Exons	1518..1543, 1907..2142, 2163..2215		

Seq. No.	56857	Seq. ID	OJ000113_05.0426.C9
Gene No.	118927	Strand	-
Start	1518	End	2228
Name	OJ000113_05.0426.C9.o2.np	Method	AAT/NAP
Start	1767	End	2228
GI	7508686	Score	126
Exons	1767..1913, 1942..2228		
GI Descrip.	hypothetical protein T28F2.8 - Caenorhabditis elegans gi|2047353|gb|AAB53059.1| (AF000198) Similar to cuticular collagen [Caenorhabditis elegans]		

Seq. No.	56858	Seq. ID	OJ000113_05.0426.C10
Gene No.	118928	Strand	+
Start	710	End	937
Name	OJ000113_05.0426.C10.o1.gp	Method	AAT/GAP
Start	710	End	937
GI	none	Score	384
Exons	710..937		

Seq. No.	56858	Seq. ID	OJ000113_05.0426.C10
Gene No.	118929	Strand	+
Start	7777	End	7983
Name	OJ000113_05.0426.C10.o3.gp	Method	AAT/GAP

Start	7777	End	7983
GI	none	Score	379
Exons	7777..7983		

Seq. No.	56858	Seq. ID	OJ000113_05.0426.C10
Gene No.	118930	Strand	-
Start	639	End	5162
Name	OJ000113_05.0426.C10.o1.gs	Method	GENSCAN
Start	639	End	5162
GI	none	Score	.4
Exons	639..691, 2428..2716, 2797..3033, 3900..4306, 4937..5162		

Seq. No.	56858	Seq. ID	OJ000113_05.0426.C10
Gene No.	118930	Strand	-
Start	639	End	5162
Name	OJ000113_05.0426.C10.o1.np	Method	AAT/NAP
Start	2444	End	5159
GI	7485610	Score	1077
Exons	2444..2716, 2797..3033, 3900..4267, 4883..5159		
GI Descrip.	hypothetical protein F17I5.110 - Arabidopsis thaliana gi|3297816|emb|CAA19874.1| (AL031032) putative protein [Arabidopsis thaliana] gi|7270341|emb|CAB80109.1| (AL161584) putative protein [Arabidopsis thaliana]		

Seq. No.	56858	Seq. ID	OJ000113_05.0426.C10
Gene No.	118931	Strand	-
Start	7258	End	9311
Name	OJ000113_05.0426.C10.o1.tm	Method	TBLASTX:Maize
Start	2484	End	3036
GI	none	Score	42
Exons	2484..2519, 2564..2716, 2574..2717, 2792..3034, 2798..3034, 2800..3036		

Seq. No.	56858	Seq. ID	OJ000113_05.0426.C10
Gene No.	118931	Strand	-
Start	7258	End	9311
Name	OJ000113_05.0426.C10.o1.ts	Method	TBLASTX:Soybean
Start	2492	End	5078
GI	none	Score	86
Exons	2492..2521, 2567..2707, 2567..2716, 2574..2717, 2781..2951, 2792..3034, 2797..3036, 2800..3036, 3011..3091, 3897..4037, 3899..3964, 4056..4265, 4057..4266, 4884..5078, 4894..5070		

Seq. No.	56858	Seq. ID	OJ000113_05.0426.C10
Gene No.	118931	Strand	-
Start	7258	End	9311
Name	OJ000113_05.0426.C10.o1.tc	Method	TBLASTX:Cress
Start	2570	End	4088
GI	none	Score	113
Exons	2570..2716, 2571..2717, 2791..2949, 2791..3036, 2975..3037, 3896..3916, 3909..4088		

Seq. No.	56858	Seq. ID	OJ000113_05.0426.C10
Gene No.	118931	Strand	-
Start	7258	End	9311
Name	OJ000113_05.0426.C10.o2.tm	Method	TBLASTX:Maize
Start	3897	End	5078

GI	none	Score	159
Exons	3897..4265, 4063..4266, 4096..4269, 4882..4974, 4887..4973, 4981..5046, 4983..5078		

Seq. No.	56858	Seq. ID	OJ000113_05.0426.C10
Gene No.	118931	Strand	-
Start	7258	End	9311
Name	OJ000113_05.0426.C10.o1.tw	Method	TBLASTX:Wheat
Start	4008	End	4263
GI	none	Score	86
Exons	4008..4055, 4038..4256, 4044..4262, 4060..4263		

Seq. No.	56858	Seq. ID	OJ000113_05.0426.C10
Gene No.	118931	Strand	-
Start	7258	End	9311
Name	OJ000113_05.0426.C10.o2.tc	Method	TBLASTX:Cress
Start	4089	End	5078
GI	none	Score	89
Exons	4089..4262, 4090..4266, 4878..5078, 4888..5043		

Seq. No.	56858	Seq. ID	OJ000113_05.0426.C10
Gene No.	118931	Strand	-
Start	7258	End	9311
Name	OJ000113_05.0426.C10.o2.gp	Method	AAT/GAP
Start	7070	End	7602
GI	35244_1.R1084	Score	994
Exons	7070..7602		
GI Descrip.	'3790593 4.0e-09 (AF079185) RING-H2 finger protein RHY1a [Arabidopsis thaliana]'		

Seq. No.	56858	Seq. ID	OJ000113_05.0426.C10
Gene No.	118931	Strand	-
Start	7258	End	9311
Name	OJ000113_05.0426.C10.o2.gs	Method	GENSCAN
Start	7258	End	9276
GI	none	Score	.78
Exons	7258..7684, 7775..7961, 9132..9276		

Seq. No.	56858	Seq. ID	OJ000113_05.0426.C10
Gene No.	118931	Strand	-
Start	7258	End	9311
Name	OJ000113_05.0426.C10.o2.np	Method	AAT/NAP
Start	7270	End	8268
GI	3790593	Score	120
Exons	7270..7483, 8189..8268		
GI Descrip.	(AF079185) RING-H2 finger protein RHY1a [Arabidopsis thaliana]		

Seq. No.	56858	Seq. ID	OJ000113_05.0426.C10
Gene No.	118931	Strand	-
Start	7258	End	9311
Name	OJ000113_05.0426.C10.o3.np	Method	AAT/NAP
Start	9079	End	9311
GI	7378633	Score	79
Exons	9079..9311		
GI Descrip.	(AL162751) UDPG glucosyltransferase-like protein [Arabidopsis thaliana]		

Seq. No.	56859	Seq. ID	OJ000113_05.0426.C11
Gene No.	118932	Strand	-
Start	194	End	749
Name	OJ000113_05.0426.C11.o1.gs	Method	GENSCAN
Start	194	End	749
GI	none	Score	.41
Exons	194..370, 699..749		

Seq. No.	56860	Seq. ID	OJ000113_05.0426.C13
Gene No.	118933	Strand	+
Start	1821	End	4862
Name	OJ000113_05.0426.C13.o1.gs	Method	GENSCAN
Start	1821	End	3751
GI	none	Score	.9
Exons	1821..2261, 2651..2998, 3125..3751		

Seq. No.	56860	Seq. ID	OJ000113_05.0426.C13
Gene No.	118933	Strand	+
Start	1821	End	4862
Name	OJ000113_05.0426.C13.o1.np	Method	AAT/NAP
Start	1821	End	4862
GI	6693020	Score	1031
Exons	1821..2261, 2651..2998, 3125..3452, 4843..4862		
GI Descrip.	(AC012375) T22C5.14 [Arabidopsis thaliana]		

Seq. No.	56860	Seq. ID	OJ000113_05.0426.C13
Gene No.	118933	Strand	+
Start	1821	End	4862
Name	OJ000113_05.0426.C13.o1.gp	Method	AAT/GAP
Start	2806	End	3436
GI	uC-osflcyp071d04b1	Score	954
Exons	2806..2998, 3125..3436		
GI Descrip.	'4835767/gb|AAD30234.1|AC007202_16 1.0e-55 (AC007202) T8K14.16 [Arabidopsis thaliana]'		

Seq. No.	56860	Seq. ID	OJ000113_05.0426.C13
Gene No.	118934	Strand	-
Start	3965	End	4426
Name	OJ000113_05.0426.C13.o1.ts	Method	TBLASTX:Soybean
Start	1821	End	3220
GI	none	Score	88
Exons	1821..1883, 2151..2261, 2159..2266, 2650..2991, 2651..2998, 3118..3219, 3119..3220		

Seq. No.	56860	Seq. ID	OJ000113_05.0426.C13
Gene No.	118934	Strand	-
Start	3965	End	4426
Name	OJ000113_05.0426.C13.o1.tm	Method	TBLASTX:Maize
Start	2849	End	3598
GI	none	Score	277
Exons	2849..2998, 2851..2991, 3118..3450, 3118..3453, 3119..3454, 3216..3473, 3452..3514, 3458..3496, 3469..3594, 3488..3598, 3497..3595		

Seq. No.	56860	Seq. ID	OJ000113_05.0426.C13
Gene No.	118934	Strand	-
Start	3965	End	4426

Name	OJ000113_05.0426.C13.o2.ts	Method	TBLASTX:Soybean
Start	3224	End	3661
GI	none	Score	212
Exons	3224..3367, 3226..3366, 3229..3381, 3361..3639, 3365..3661, 3371..3658		

Seq. No.	56860	Seq. ID	OJ000113_05.0426.C13
Gene No.	118934	Strand	-
Start	3965	End	4426
Name	OJ000113_05.0426.C13.o2.gp	Method	AAT/GAP
Start	3965	End	4426
GI	none	Score	845
Exons	3965..4426		

Seq. No.	56861	Seq. ID	OJ000113_05.0426.C14
Gene No.	118935	Strand	-
Start	1	End	1892
Name	OJ000113_05.0426.C14.o1.gp	Method	AAT/GAP
Start	1	End	1892
GI	55698_1.R1084	Score	625
Exons	1..50, 493..599, 1635..1892		
GI Descrip.	'135640/sp|P26357|TF2D_SOLTU 3.0e-55 TRANSCRIPTION INITIATION FACTOR TFIID (TATA-BOX FACTOR) (TATA SEQUENCE-BINDING PROTEIN) (TBP) >gi_72901_pir__TWPO2D transcription initiation factor IID - potato >gi_21581_emb_CAA44360_ (X62494) TATA-binding protein [Solanum tuberosum]'		

Seq. No.	56861	Seq. ID	OJ000113_05.0426.C14
Gene No.	118935	Strand	-
Start	1	End	1892
Name	OJ000113_05.0426.C14.o1.gs	Method	GENSCAN
Start	512	End	1735
GI	none	Score	.86
Exons	512..599, 1635..1735		

Seq. No.	56861	Seq. ID	OJ000113_05.0426.C14
Gene No.	118935	Strand	-
Start	1	End	1892
Name	OJ000113_05.0426.C14.o1.np	Method	AAT/NAP
Start	512	End	1814
GI	135641	Score	182
Exons	512..599, 1635..1814		
GI Descrip.	TRANSCRIPTION INITIATION FACTOR TFIID-1 (TATA-BOX FACTOR 1) (TATA SEQUENCE-BINDING PROTEIN 1) (TBP-1) gi|283028|pir||S23522 transcription initiation factor IID - wheat gi|21875|emb|CAA42531| (X59874) TATA binding protein (TFIID) [Triticum aestivum]		

Seq. No.	56862	Seq. ID	OJ000113_05.0426.C15
Gene No.	118936	Strand	-
Start	1	End	771
Name	OJ000113_05.0426.C15.o1.np	Method	AAT/NAP
Start	1	End	665
GI	6630696	Score	1021
Exons	1..665		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol		

polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No.	56862	Seq. ID	OJ000113_05.0426.C15
Gene No.	118936	Strand	-
Start	1	End	771
Name	OJ000113_05.0426.C15.o1.tm	Method	TBLASTX:Maize
Start	313	End	623
GI	none	Score	171
Exons	313..576, 315..623		

Seq. No.	56862	Seq. ID	OJ000113_05.0426.C15
Gene No.	118936	Strand	-
Start	1	End	771
Name	OJ000113_05.0426.C15.o1.tw	Method	TBLASTX:Wheat
Start	374	End	771
GI	none	Score	140
Exons	374..556, 375..659, 388..585, 636..770, 673..771		

Seq. No.	56863	Seq. ID	OJ000113_05.0426.C17
Gene No.	118937	Strand	+
Start	912	End	1019
Name	OJ000113_05.0426.C17.o1.gs	Method	GENSCAN
Start	912	End	1019
GI	none	Score	.42
Exons	912..1019		

Seq. No.	56863	Seq. ID	OJ000113_05.0426.C17
Gene No.	118938	Strand	+
Start	1426	End	1498
Name	OJ000113_05.0426.C17.o1.gp	Method	AAT/GAP
Start	1426	End	1498
GI	none	Score	118
Exons	1426..1498		

Seq. No.	56864	Seq. ID	OJ000113_05.0426.C18
Gene No.	118939	Strand	+
Start	1	End	3240
Name	OJ000113_05.0426.C18.o1.np	Method	AAT/NAP
Start	1	End	3240
GI	5231117	Score	1646
Exons	1..373, 1634..1770, 1858..2507, 3024..3240		
GI Descrip.	(AF141204) Nramp2 [Arabidopsis thaliana]		

Seq. No.	56864	Seq. ID	OJ000113_05.0426.C18
Gene No.	118939	Strand	+
Start	1	End	3240
Name	OJ000113_05.0426.C18.o1.gs	Method	GENSCAN
Start	264	End	3233
GI	none	Score	.7
Exons	264..373, 1634..1770, 1858..2507, 3024..3233		

Seq. No.	56864	Seq. ID	OJ000113_05.0426.C18
Gene No.	118940	Strand	+
Start	4341	End	6906
Name	OJ000113_05.0426.C18.o2.gs	Method	GENSCAN
Start	4341	End	6906
GI	none	Score	.64

Exons	4341..4655, 5215..5387, 6214..6339, 6609..6906		
Seq. No.	56864	Seq. ID	OJ000113_05.0426.C18
Gene No.	118941	Strand	+
Start	7674	End	12683
Name	OJ000113_05.0426.C18.o2.np	Method	AAT/NAP
Start	7674	End	12683
GI	6598855	Score	432
Exons	7674..7773, 8775..9185, 9864..9999, 12049..12153, 12302..12401, 12610..12683		
GI Descrip.	(AC010556) putative serine carboxypeptidase [Arabidopsis thaliana]		
Seq. No.	56864	Seq. ID	OJ000113_05.0426.C18
Gene No.	118941	Strand	+
Start	7674	End	12683
Name	OJ000113_05.0426.C18.o3.gp	Method	AAT/GAP
Start	10585	End	10655
GI	38012_1.R1084	Score	85
Exons	10585..10655		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		
Seq. No.	56864	Seq. ID	OJ000113_05.0426.C18
Gene No.	118941	Strand	+
Start	7674	End	12683
Name	OJ000113_05.0426.C18.o4.gp	Method	AAT/GAP
Start	10709	End	10887
GI	15870_2.R1084	Score	290
Exons	10709..10887		
GI Descrip.	'287403/dbj|D10838|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		
Seq. No.	56864	Seq. ID	OJ000113_05.0426.C18
Gene No.	118942	Strand	-
Start	89	End	345
Name	OJ000113_05.0426.C18.o1.gp	Method	AAT/GAP
Start	89	End	345
GI	428877	Score	460
Exons	89..345		
GI Descrip.	5231117/gb|AAD41078.1|AF141204_1 1.0e-25 (AF141204) Nramp2 [Arabidopsis thaliana]		
Seq. No.	56864	Seq. ID	OJ000113_05.0426.C18
Gene No.	118943	Strand	-
Start	2991	End	3466
Name	OJ000113_05.0426.C18.o2.gp	Method	AAT/GAP
Start	2991	End	3466
GI	uC-osroM202024h12a1	Score	791
Exons	2991..3466		
GI Descrip.	'5231117/gb|AAD41078.1|AF141204_1 1.0e-25 (AF141204) Nramp2 [Arabidopsis thaliana]'		
Seq. No.	56864	Seq. ID	OJ000113_05.0426.C18
Gene No.	118944	Strand	-
Start	8577	End	13521
Name	OJ000113_05.0426.C18.o2.ts	Method	TBLASTX:Soybean

Start	1	End	1955
GI	none	Score	188
Exons	1..132, 1..120, 3..140, 18..260, 137..382, 138..371, 1623..1772, 1653..1772, 1655..1774, 1852..1950, 1853..1951, 1856..1954, 1857..1955		

Seq. No.	56864	Seq. ID	OJ000113_05.0426.C18
Gene No.	118944	Strand	-
Start	8577	End	13521
Name	OJ000113_05.0426.C18.o4.tc	Method	TBLASTX:Cress
Start	1	End	132
GI	none	Score	187
Exons	1..132, 3..131		

Seq. No.	56864	Seq. ID	OJ000113_05.0426.C18
Gene No.	118944	Strand	-
Start	8577	End	13521
Name	OJ000113_05.0426.C18.o2.tm	Method	TBLASTX:Maize
Start	144	End	1910
GI	none	Score	311
Exons	144..371, 144..269, 152..382, 336..392, 1653..1772, 1655..1771, 1848..1910, 1856..1906		

Seq. No.	56864	Seq. ID	OJ000113_05.0426.C18
Gene No.	118944	Strand	-
Start	8577	End	13521
Name	OJ000113_05.0426.C18.o2.tc	Method	TBLASTX:Cress
Start	174	End	439
GI	none	Score	298
Exons	174..401, 176..439		

Seq. No.	56864	Seq. ID	OJ000113_05.0426.C18
Gene No.	118944	Strand	-
Start	8577	End	13521
Name	OJ000113_05.0426.C18.o1.tw	Method	TBLASTX:Wheat
Start	336	End	1991
GI	none	Score	148
Exons	336..383, 1653..1787, 1655..1774, 1856..1984, 1857..1991		

Seq. No.	56864	Seq. ID	OJ000113_05.0426.C18
Gene No.	118944	Strand	-
Start	8577	End	13521
Name	OJ000113_05.0426.C18.o1.tm	Method	TBLASTX:Maize
Start	1911	End	3224
GI	none	Score	628
Exons	1911..2375, 1913..2368, 2343..2423, 2421..2480, 2424..2480, 3017..3190, 3021..3224		

Seq. No.	56864	Seq. ID	OJ000113_05.0426.C18
Gene No.	118944	Strand	-
Start	8577	End	13521
Name	OJ000113_05.0426.C18.o1.ts	Method	TBLASTX:Soybean
Start	1956	End	2375
GI	none	Score	561
Exons	1956..2375, 1956..2135, 1958..2371, 2190..2372		

Seq. No.	56864	Seq. ID	OJ000113_05.0426.C18

Gene No.	118944	Strand	-
Start	8577	End	13521
Name	OJ000113_05.0426.C18.o1.tc	Method	TBLASTX:Cress
Start	1977	End	3115
GI	none	Score	549
Exons	1977..2378, 1979..2353, 2004..2372, 2343..2495, 2379..2477, 2414..2494, 2982..3113, 2988..3098, 3032..3115		

Seq. No.	56864	Seq. ID	OJ000113_05.0426.C18
Gene No.	118944	Strand	-
Start	8577	End	13521
Name	OJ000113_05.0426.C18.o3.gs	Method	GENSCAN
Start	8577	End	12585
GI	none	Score	.9
Exons	8577..9209, 12475..12585		

Seq. No.	56864	Seq. ID	OJ000113_05.0426.C18
Gene No.	118944	Strand	-
Start	8577	End	13521
Name	OJ000113_05.0426.C18.o3.tc	Method	TBLASTX:Cress
Start	8778	End	9968
GI	none	Score	95
Exons	8778..8870, 8862..8996, 9018..9125, 9864..9902, 9891..9968		

Seq. No.	56864	Seq. ID	OJ000113_05.0426.C18
Gene No.	118944	Strand	-
Start	8577	End	13521
Name	OJ000113_05.0426.C18.o3.ts	Method	TBLASTX:Soybean
Start	8778	End	13519
GI	none	Score	142
Exons	8778..8978, 9018..9185, 9864..9968, 12043..12153, 13433..13519		

Seq. No.	56864	Seq. ID	OJ000113_05.0426.C18
Gene No.	118944	Strand	-
Start	8577	End	13521
Name	OJ000113_05.0426.C18.o3.tm	Method	TBLASTX:Maize
Start	8856	End	13521
GI	none	Score	57
Exons	8856..8891, 8907..8996, 9017..9178, 9018..9185, 9862..9966, 9863..9967, 9864..9968, 12036..12158, 12041..12154, 12043..12159, 12293..12400, 12301..12381, 13229..13297, 13234..13293, 13399..13521, 13400..13519		

Seq. No.	56865	Seq. ID	OJ000113_05.0426.C19
Gene No.	118945	Strand	+
Start	1	End	1141
Name	OJ000113_05.0426.C19.o1.np	Method	AAT/NAP
Start	1	End	1141
GI	7228450	Score	161
Exons	1..33, 604..669, 812..927, 1030..1141		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	56865	Seq. ID	OJ000113_05.0426.C19
Gene No.	118945	Strand	+
Start	1	End	1141
Name	OJ000113_05.0426.C19.o1.gs	Method	GENSCAN
Start	855	End	981

GI	none	Score	.91
Exons	855..981		
Seq. No.	56866	Seq. ID	OJ000113_05.0426.C20
Gene No.	118946	Strand	-
Start	421	End	573
Name	OJ000113_05.0426.C20.o1.gs	Method	GENSCAN
Start	421	End	573
GI	none	Score	.54
Exons	421..573		
Seq. No.	56867	Seq. ID	OJ000113_05.0426.C21
Gene No.	118947	Strand	-
Start	1117	End	2336
Name	OJ000113_05.0426.C21.o1.gs	Method	GENSCAN
Start	1117	End	1838
GI	none	Score	.9
Exons	1117..1626, 1752..1838		
Seq. No.	56867	Seq. ID	OJ000113_05.0426.C21
Gene No.	118947	Strand	-
Start	1117	End	2336
Name	OJ000113_05.0426.C21.o1.gp	Method	AAT/GAP
Start	1401	End	2336
GI	none	Score	1051
Exons	1401..1626, 1751..1937, 2203..2336		
Seq. No.	56867	Seq. ID	OJ000113_05.0426.C21
Gene No.	118948	Strand	-
Start	8768	End	10312
Name	OJ000113_05.0426.C21.o1.np	Method	AAT/NAP
Start	8768	End	9781
GI	7486184	Score	396
Exons	8768..8871, 8956..9380, 9439..9781		
GI Descrip.	hypothetical protein F26C24.1 - Arabidopsis thaliana gi|3650027|gb|AAC61282.1| (AC005396) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	56867	Seq. ID	OJ000113_05.0426.C21
Gene No.	118948	Strand	-
Start	8768	End	10312
Name	OJ000113_05.0426.C21.o2.gp	Method	AAT/GAP
Start	9474	End	10312
GI	LIB3432-026-P1-K1-D9	Score	882
Exons	9474..9869, 10230..10312		
GI Descrip.	'3297813/emb|CAA19871.1| 2.0e-14 (AL031032) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	56867	Seq. ID	OJ000113_05.0426.C21
Gene No.	118949	Strand	-
Start	15723	End	19843
Name	OJ000113_05.0426.C21.o2.tm	Method	TBLASTX:Maize
Start	9257	End	9728
GI	none	Score	67
Exons	9257..9328, 9260..9325, 9320..9343, 9350..9391, 9350..9397, 9354..9392, 9482..9520, 9483..9503, 9483..9530, 9484..9513, 9525..9665, 9557..9727, 9560..9715, 9567..9728		

Seq. No.	56867	Seq. ID	OJ000113_05.0426.C21
Gene No.	118949	Strand	-
Start	15723	End	19843
Name	OJ000113_05.0426.C21.o2.tc	Method	TBLASTX:Cress
Start	9548	End	9763
GI	none	Score	190
Exons	9548..9763		

Seq. No.	56867	Seq. ID	OJ000113_05.0426.C21
Gene No.	118949	Strand	-
Start	15723	End	19843
Name	OJ000113_05.0426.C21.o3.np	Method	AAT/NAP
Start	15723	End	17751
GI	5420389	Score	243
Exons	15723..15760, 16413..16811, 17382..17751		
GI Descrip.	(AJ243460) proteophosphoglycan [Leishmania major]		

Seq. No.	56867	Seq. ID	OJ000113_05.0426.C21
Gene No.	118949	Strand	-
Start	15723	End	19843
Name	OJ000113_05.0426.C21.o3.gs	Method	GENSCAN
Start	16307	End	17797
GI	none	Score	1
Exons	16307..17797		

Seq. No.	56867	Seq. ID	OJ000113_05.0426.C21
Gene No.	118949	Strand	-
Start	15723	End	19843
Name	OJ000113_05.0426.C21.o2.np	Method	AAT/NAP
Start	16345	End	19843
GI	5420387	Score	272
Exons	16345..16810, 17423..17765, 19813..19843		
GI Descrip.	(AJ243459) proteophosphoglycan [Leishmania major]		

Seq. No.	56867	Seq. ID	OJ000113_05.0426.C21
Gene No.	118949	Strand	-
Start	15723	End	19843
Name	OJ000113_05.0426.C21.o2.ts	Method	TBLASTX:Soybean
Start	16559	End	16799
GI	none	Score	125
Exons	16559..16798, 16578..16799		

Seq. No.	56867	Seq. ID	OJ000113_05.0426.C21
Gene No.	118949	Strand	-
Start	15723	End	19843
Name	OJ000113_05.0426.C21.o3.tm	Method	TBLASTX:Maize
Start	16559	End	16825
GI	none	Score	206
Exons	16559..16825		

Seq. No.	56867	Seq. ID	OJ000113_05.0426.C21
Gene No.	118949	Strand	-
Start	15723	End	19843
Name	OJ000113_05.0426.C21.o1.ts	Method	TBLASTX:Soybean
Start	16799	End	17773
GI	none	Score	178

Exons	16799..17020, 16821..17024, 17039..17359, 17040..17351, 17432..17668, 17460..17693, 17660..17773, 17670..17756		
Seq. No.	56867	Seq. ID	OJ000113_05.0426.C21
Gene No.	118949	Strand	-
Start	15723	End	19843
Name	OJ000113_05.0426.C21.o1.tc	Method	TBLASTX:Cress
Start	17063	End	17306
GI	none	Score	102
Exons	17063..17296, 17115..17306		
Seq. No.	56867	Seq. ID	OJ000113_05.0426.C21
Gene No.	118949	Strand	-
Start	15723	End	19843
Name	OJ000113_05.0426.C21.o1.tm	Method	TBLASTX:Maize
Start	17187	End	17789
GI	none	Score	566
Exons	17187..17789, 17189..17767		
Seq. No.	56867	Seq. ID	OJ000113_05.0426.C21
Gene No.	118949	Strand	-
Start	15723	End	19843
Name	OJ000113_05.0426.C21.o1.tw	Method	TBLASTX:Wheat
Start	17435	End	17755
GI	none	Score	136
Exons	17435..17668, 17454..17669, 17660..17755, 17670..17747		
Seq. No.	56867	Seq. ID	OJ000113_05.0426.C21
Gene No.	118949	Strand	-
Start	15723	End	19843
Name	OJ000113_05.0426.C21.o3.gp	Method	AAT/GAP
Start	17572	End	17877
GI	428666	Score	571
Exons	17572..17877		
Seq. No.	56868	Seq. ID	OJ000113_05.0426.C22
Gene No.	118950	Strand	-
Start	1	End	1416
Name	OJ000113_05.0426.C22.o1.np	Method	AAT/NAP
Start	1	End	1416
GI	6630696	Score	2388
Exons	1..1416		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	56868	Seq. ID	OJ000113_05.0426.C22
Gene No.	118950	Strand	-
Start	1	End	1416
Name	OJ000113_05.0426.C22.o1.tw	Method	TBLASTX:Wheat
Start	100	End	855
GI	none	Score	104
Exons	100..258, 100..855, 105..836, 350..847		
Seq. No.	56868	Seq. ID	OJ000113_05.0426.C22
Gene No.	118950	Strand	-
Start	1	End	1416

Name	OJ000113_05.0426.C22.o1.ts	Method	TBLASTX:Soybean
Start	505	End	903
GI	none	Score	100
Exons	505..678, 682..903, 689..901		

Seq. No.	56868	Seq. ID	OJ000113_05.0426.C22
Gene No.	118950	Strand	-
Start	1	End	1416
Name	OJ000113_05.0426.C22.o1.tm	Method	TBLASTX:Maize
Start	691	End	1155
GI	none	Score	77
Exons	691..1155, 698..874		

Seq. No.	56868	Seq. ID	OJ000113_05.0426.C22
Gene No.	118950	Strand	-
Start	1	End	1416
Name	OJ000113_05.0426.C22.o2.tw	Method	TBLASTX:Wheat
Start	856	End	1048
GI	none	Score	210
Exons	856..1047, 857..1048		

Seq. No.	56868	Seq. ID	OJ000113_05.0426.C22
Gene No.	118950	Strand	-
Start	1	End	1416
Name	OJ000113_05.0426.C22.o2.ts	Method	TBLASTX:Soybean
Start	913	End	1293
GI	none	Score	88
Exons	913..1161, 1144..1293		

Seq. No.	56869	Seq. ID	OJ000113_05.0426.C25
Gene No.	118951	Strand	-
Start	1295	End	4300
Name	OJ000113_05.0426.C25.o1.gs	Method	GENSCAN
Start	1295	End	4300
GI	none	Score	.82
Exons	1295..1425, 1708..1838, 2303..2344, 4275..4300		

Seq. No.	56870	Seq. ID	OJ000103_04.0426.C2
Gene No.	118952	Strand	+
Start	477	End	538
Name	OJ000103_04.0426.C2.o1.gs	Method	GENSCAN
Start	477	End	538
GI	none	Score	.55
Exons	477..538		

Seq. No.	56871	Seq. ID	OJ000103_04.0426.C3
Gene No.	118953	Strand	+
Start	218	End	1035
Name	OJ000103_04.0426.C3.o1.gs	Method	GENSCAN
Start	218	End	1035
GI	none	Score	.74
Exons	218..330, 565..694, 983..1035		

Seq. No.	56871	Seq. ID	OJ000103_04.0426.C3
Gene No.	118954	Strand	+
Start	3998	End	4417
Name	OJ000103_04.0426.C3.o1.gp	Method	AAT/GAP

Start	3998	End	4417
GI	uC-osf1M202074d11a1	Score	427
Exons	3998..4136, 4222..4417		
GI Descrip.	'6041855/gb|AAF02164.1|AC009853_24 3.0e-22 (AC009853) unknown protein [Arabidopsis thaliana]'		

Seq. No.	56871	Seq. ID	OJ000103_04.0426.C3
Gene No.	118955	Strand	-
Start	1466	End	7172
Name	OJ000103_04.0426.C3.o2.gs	Method	GENSCAN
Start	1466	End	7172
GI	none	Score	.74
Exons	1466..1535, 1682..2086, 2910..3073, 3681..3766, 4522..4657, 4770..4932, 5654..5743, 5806..5875, 6677..7172		

Seq. No.	56871	Seq. ID	OJ000103_04.0426.C3
Gene No.	118955	Strand	-
Start	1466	End	7172
Name	OJ000103_04.0426.C3.o2.gp	Method	AAT/GAP
Start	4354	End	4902
GI	LIB3432-014-P1-K1-C4	Score	822
Exons	4354..4657, 4770..4902		
GI Descrip.	'3445204/gb|AAC32434.1| 2.0e-45 (AC004786) putative GTP-binding protein [Arabidopsis thaliana]'		

Seq. No.	56871	Seq. ID	OJ000103_04.0426.C3
Gene No.	118955	Strand	-
Start	1466	End	7172
Name	OJ000103_04.0426.C3.o2.np	Method	AAT/NAP
Start	4451	End	6893
GI	6226480	Score	843
Exons	4451..4657, 4770..4932, 5806..5875, 6677..6893		
GI Descrip.	HYPOTHETIC GTP-BINDING PROTEIN T20K9.8 gi|3445204|gb|AAC32434.1| (AC004786) putative nucleotide-binding protein [Arabidopsis thaliana]		

Seq. No.	56871	Seq. ID	OJ000103_04.0426.C3
Gene No.	118955	Strand	-
Start	1466	End	7172
Name	OJ000103_04.0426.C3.o1.tc	Method	TBLASTX:Cress
Start	4452	End	6789
GI	none	Score	109
Exons	4452..4598, 4457..4618, 4457..4624, 4601..4660, 4767..4808, 4818..4883, 5802..5873, 5802..5876, 5803..5877, 6675..6785, 6676..6789		

Seq. No.	56871	Seq. ID	OJ000103_04.0426.C3
Gene No.	118955	Strand	-
Start	1466	End	7172
Name	OJ000103_04.0426.C3.o2.ts	Method	TBLASTX:Soybean
Start	4463	End	4832
GI	none	Score	36
Exons	4463..4504, 4464..4508, 4511..4597, 4511..4624, 4512..4607, 4601..4660, 4767..4832		

Seq. No.	56871	Seq. ID	OJ000103_04.0426.C3
Gene No.	118955	Strand	-

Start	1466	End	7172
Name	OJ000103_04.0426.C3.o1.tm	Method	TBLASTX:Maize
Start	4601	End	6908
GI	none	Score	47
Exons	4601..4660, 4602..4643, 4767..4931, 4768..4908, 5799..5876, 5802..5876, 5803..5877, 6653..6793, 6675..6908, 6676..6852		

Seq. No.	56871	Seq. ID	OJ000103_04.0426.C3
Gene No.	118955	Strand	-
Start	1466	End	7172
Name	OJ000103_04.0426.C3.o3.gp	Method	AAT/GAP
Start	5382	End	5914
GI	uC-osflM202123a09b1	Score	1017
Exons	5382..5914		
GI Descrip.	'3445196/gb|AC004786.1|ATAC004786 6.0e-10 Arabidopsis thaliana chromosome II BAC T20K9 genomic sequence, complete sequence'		

Seq. No.	56871	Seq. ID	OJ000103_04.0426.C3
Gene No.	118955	Strand	-
Start	1466	End	7172
Name	OJ000103_04.0426.C3.o1.ts	Method	TBLASTX:Soybean
Start	6666	End	6959
GI	none	Score	92
Exons	6666..6800, 6675..6830, 6676..6831, 6804..6890, 6805..6879, 6912..6959		

Seq. No.	56872	Seq. ID	OJ000103_04.0426.C4
Gene No.	118956	Strand	-
Start	572	End	2773
Name	OJ000103_04.0426.C4.o1.gs	Method	GENSCAN
Start	572	End	2773
GI	none	Score	.67
Exons	572..700, 1470..1565, 1702..1757, 2713..2773		

Seq. No.	56873	Seq. ID	OJ000103_04.0426.C5
Gene No.	118957	Strand	+
Start	1	End	1135
Name	OJ000103_04.0426.C5.o1.np	Method	AAT/NAP
Start	1	End	1135
GI	6006359	Score	64
Exons	1..25, 370..478, 1081..1135		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	56873	Seq. ID	OJ000103_04.0426.C5
Gene No.	118957	Strand	+
Start	1	End	1135
Name	OJ000103_04.0426.C5.o1.gs	Method	GENSCAN
Start	308	End	535
GI	none	Score	.88
Exons	308..535		

Seq. No.	56874	Seq. ID	OJ000103_04.0426.C8
Gene No.	118958	Strand	-
Start	11	End	305
Name	OJ000103_04.0426.C8.o1.gs	Method	GENSCAN
Start	11	End	305
GI	none	Score	.85

Exons 11..65, 189..305

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118959	Strand	+
Start	1	End	4044
Name	OJ000103_04.0426.C9.o1.np	Method	AAT/NAP
Start	1	End	4044
GI	6069646	Score	460

Exons 1..44, 3058..4044

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118960	Strand	+
Start	8310	End	22979
Name	OJ000103_04.0426.C9.o2.gs	Method	GENSCAN
Start	8310	End	22979
GI	none	Score	.67

Exons 8310..8454, 8649..8732, 9116..9280, 10479..10613, 11014..11037, 11623..11692, 11953..12096, 12575..12691, 13566..13639, 14458..14615, 14942..15045, 17665..17749, 19088..19286, 19469..19606, 19688..20228, 20709..20752, 21199..21287, 21383..21456, 21739..21815, 22324..22979

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118960	Strand	+
Start	8310	End	22979
Name	OJ000103_04.0426.C9.o2.np	Method	AAT/NAP
Start	19237	End	22976
GI	1171429	Score	761

Exons 19237..19384, 19474..19606, 19663..20228, 20888..20970, 21190..21287, 21383..21456, 21578..21628, 21739..21815, 22324..22553, 22784..22976

GI Descrip. (U44028) CKC [Arabidopsis thaliana]

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118961	Strand	+
Start	34301	End	35205
Name	OJ000103_04.0426.C9.o3.np	Method	AAT/NAP
Start	34301	End	35205
GI	7487656	Score	204

Exons 34301..34370, 34453..34518, 34604..34672, 34779..34930, 35089..35205

GI Descrip. hypothetical protein T4L20.110 - Arabidopsis thaliana gi|3096922|emb|CAA18832.1| (AL023094) putative protein [Arabidopsis thaliana] gi|7270403|emb|CAB80170.1| (AL161585) putative protein [Arabidopsis thaliana]

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118962	Strand	+
Start	38180	End	41209
Name	OJ000103_04.0426.C9.o4.np	Method	AAT/NAP
Start	38114	End	41209
GI	5734709	Score	90

Exons	38114..38394, 38456..38554, 40265..40385, 41174..41209		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		
Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118962	Strand	+
Start	38180	End	41209
Name	OJ000103_04.0426.C9.o5.gs	Method	GENSCAN
Start	38180	End	41045
GI	none	Score	.72
Exons	38180..38569, 38689..38754, 38946..39011, 40890..41045		
Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118962	Strand	+
Start	38180	End	41209
Name	OJ000103_04.0426.C9.o5.np	Method	AAT/NAP
Start	38180	End	39168
GI	7460050	Score	125
Exons	38180..38617, 39063..39168		
GI Descrip.	hypothetical protein T16L1.270 - Arabidopsis thaliana gi|3549680|emb|CAA20591.1| (AL031394) putative protein [Arabidopsis thaliana] gi|7270327|emb|CAB80095.1| (AL161584) putative protein [Arabidopsis thaliana]		
Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118963	Strand	+
Start	45415	End	46309
Name	OJ000103_04.0426.C9.o7.gs	Method	GENSCAN
Start	45415	End	46309
GI	none	Score	.5
Exons	45415..45462, 46136..46309		
Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118964	Strand	+
Start	49353	End	65052
Name	OJ000103_04.0426.C9.o6.np	Method	AAT/NAP
Start	49353	End	52443
GI	5734621	Score	378
Exons	49353..49946, 52343..52443		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		
Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118964	Strand	+
Start	49353	End	65052
Name	OJ000103_04.0426.C9.o7.np	Method	AAT/NAP
Start	51678	End	63270
GI	6685403	Score	1864
Exons	51678..51712, 54003..54182, 56148..56259, 56366..56540, 56822..56990, 57070..57288, 57380..57655, 62726..63004, 63169..63270		
GI Descrip.	SQUALENE MONOOXYGENASE (SQUALENE EPOXIDASE) (SE) gi|2804278|dbj|BAA24448| (AB003516) squalene epoxidase [Panax ginseng]		
Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9

Gene No.	118964	Strand	+
Start	49353	End	65052
Name	OJ000103_04.0426.C9.o9.gs	Method	GENSCAN
Start	53928	End	65052
GI	none	Score	.7
Exons	53928..54182, 56148..56259, 56378..56540, 56822..56990, 57380..57655, 57741..57858, 58667..58763, 58991..59212, 59353..59495, 59780..59853, 60133..60405, 61147..61258, 61326..61500, 61785..61953, 62358..62633, 62726..63004, 63169..63272, 64869..65052		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o5.tm	Method	TBLASTX:Maize
Start	3402	End	3951
GI	none	Score	102
Exons	3402..3551, 3570..3800, 3850..3951		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o3.tw	Method	TBLASTX:Wheat
Start	3579	End	3767
GI	none	Score	186
Exons	3579..3767		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o3.tc	Method	TBLASTX:Cress
Start	19540	End	22472
GI	none	Score	87
Exons	19540..19605, 19702..19731, 20160..20228, 20170..20229, 20882..20968, 20883..20969, 21195..21284, 21386..21466, 21424..21456, 21575..21628, 21576..21629, 21736..21825, 21737..21826, 22302..22472, 22323..22469		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o3.ts	Method	TBLASTX:Soybean
Start	20173	End	22457
GI	none	Score	82
Exons	20173..20229, 20883..20969, 20888..20968, 21195..21290, 21383..21466, 21575..21628, 21576..21629, 21736..21825, 21737..21826, 22302..22457, 22323..22457		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o7.tm	Method	TBLASTX:Maize
Start	21195	End	22409
GI	none	Score	129
Exons	21195..21290, 21195..21290, 21383..21466, 21576..21629, 21736..21810, 21737..21826, 22305..22409		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o6.tm	Method	TBLASTX:Maize
Start	26659	End	26946
GI	none	Score	59
Exons	26659..26730, 26690..26734, 26720..26932, 26728..26946		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o2.tm	Method	TBLASTX:Maize
Start	27170	End	28316
GI	none	Score	162
Exons	27170..27490, 27179..27457, 27448..27573, 27449..27538, 27462..27836, 27501..27701, 27581..27982, 27581..27832, 27634..27837, 27747..27839, 27879..27923, 27978..28130, 27992..28135, 27992..28138, 28150..28182, 28154..28183, 28281..28316		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o2.tw	Method	TBLASTX:Wheat
Start	27460	End	27823
GI	none	Score	82
Exons	27460..27792, 27461..27538, 27466..27822, 27581..27823, 27581..27823		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o5.tc	Method	TBLASTX:Cress
Start	27587	End	27832
GI	none	Score	214
Exons	27587..27832, 27614..27832		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o4.ts	Method	TBLASTX:Soybean
Start	27617	End	27873
GI	none	Score	246
Exons	27617..27871, 27697..27873		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o9.tm	Method	TBLASTX:Maize
Start	34099	End	34542
GI	none	Score	50
Exons	34099..34143, 34100..34138, 34242..34370, 34245..34370, 34246..34371, 34249..34371, 34414..34542, 34429..34542		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103

Name	OJ000103_04.0426.C9.o5.ts	Method	TBLASTX:Soybean
Start	34293	End	34832
GI	none	Score	113
Exons	34293..34373, 34319..34375, 34414..34542, 34458..34517, 34601..34690, 34603..34695, 34773..34832		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o6.tc	Method	TBLASTX:Cress
Start	34305	End	34672
GI	none	Score	91
Exons	34305..34370, 34456..34542, 34458..34529, 34601..34672, 34603..34671		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o4.tw	Method	TBLASTX:Wheat
Start	34334	End	34714
GI	none	Score	55
Exons	34334..34369, 34335..34370, 34455..34547, 34456..34542, 34601..34714, 34606..34689		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o8.tm	Method	TBLASTX:Maize
Start	38350	End	41077
GI	none	Score	64
Exons	38350..38385, 38351..38386, 38462..38575, 38474..38569, 38479..38571, 38679..38768, 38689..38769, 38689..38802, 40887..41075, 40888..41076, 40888..41058, 40889..41077, 40898..41074		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o3.tm	Method	TBLASTX:Maize
Start	56146	End	62257
GI	none	Score	129
Exons	56146..56250, 56147..56254, 56148..56222, 56374..56538, 56374..56526, 56384..56536, 56391..56549, 56807..56989, 56819..56992, 56820..57038, 57068..57268, 57069..57269, 57070..57270, 57070..57270, 60323..60427, 60340..60405, 61145..61249, 61146..61250, 61146..61253, 61147..61257, 61325..61345, 61334..61498, 61337..61495, 61344..61508, 61344..61496, 61351..61509, 61759..61950, 61782..61952, 61782..61955, 61783..61956, 62055..62255, 62056..62256, 62057..62257		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o1.tc	Method	TBLASTX:Cress
Start	56147	End	63258
GI	none	Score	105

Exons 56147..56254, 56148..56222, 56365..56454, 56458..56535,
56816..56977, 56820..56978, 57073..57291, 57081..57290,
57377..57430, 57431..57655, 57431..57610, 57738..58040,
57740..58012, 58205..58291, 61146..61253, 61147..61257,
61325..61414, 61418..61495, 61779..61940, 61783..61941,
62060..62278, 62068..62277, 62355..62408, 62409..62633,
62475..62588, 62681..62983, 62725..62997, 63172..63258

Seq. No. 56875 Seq. ID OJ000103_04.0426.C9
Gene No. 118965 Strand -
Start 65675 End 68103
Name OJ000103_04.0426.C9.o1.tw Method TBLASTX:Wheat
Start 56159 End 61951
GI none Score 107
Exons 56159..56254, 56160..56222, 56161..56259, 56162..56260,
56364..56540, 56365..56538, 56819..56986, 56820..56987,
56821..56988, 56827..56988, 61158..61253, 61159..61257,
61159..61257, 61160..61258, 61324..61509, 61325..61498,
61332..61511, 61339..61533, 61782..61949, 61782..61949,
61783..61950, 61784..61951

Seq. No. 56875 Seq. ID OJ000103_04.0426.C9
Gene No. 118965 Strand -
Start 65675 End 68103
Name OJ000103_04.0426.C9.o1.ts Method TBLASTX:Soybean
Start 56237 End 63264
GI none Score 257
Exons 56237..56257, 56364..56549, 56365..56538, 56820..57035,
56822..56992, 57067..57288, 57069..57290, 57070..57291,
57365..57643, 57377..57655, 57382..57651, 57738..58019,
57738..58016, 57740..58018, 57752..58021, 58196..58294,
58204..58272, 61324..61509, 61325..61498, 61783..62001,
61785..61955, 62052..62264, 62054..62275, 62056..62277,
62057..62278, 62343..62435, 62347..62436, 62353..62619,
62355..62633, 62360..62629, 62723..62995, 62723..63001,
62725..63006, 62725..63003, 63163..63255, 63168..63263,
63169..63264

Seq. No. 56875 Seq. ID OJ000103_04.0426.C9
Gene No. 118965 Strand -
Start 65675 End 68103
Name OJ000103_04.0426.C9.o1.tm Method TBLASTX:Maize
Start 57438 End 63278
GI none Score 93
Exons 57438..57509, 57438..57653, 57439..57654, 57440..57655,
57440..57655, 57738..58019, 57738..58016, 57740..58018,
58196..58291, 58202..58261, 58204..58272, 62417..62632,
62418..62633, 62418..62633, 62723..62995, 62723..63001,
62725..63003, 62725..63024, 63163..63258, 63168..63278

Seq. No. 56875 Seq. ID OJ000103_04.0426.C9
Gene No. 118965 Strand -
Start 65675 End 68103
Name OJ000103_04.0426.C9.o10.gs Method GENSCAN
Start 65675 End 68103
GI none Score .91
Exons 65675..65858, 65890..66002, 66155..66367, 66664..66762,

66864..66995, 67105..67287, 67411..67638, 67728..67817, 67963..68103

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o4.tc	Method	TBLASTX:Cress
Start	65675	End	66370
GI	none	Score	68
Exons	65675..65791, 65685..65792, 65889..66005, 65905..65964, 66140..66370, 66143..66346, 66153..66368		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o8.np	Method	AAT/NAP
Start	65678	End	67706
GI	6319167	Score	1014
Exons	65678..65779, 65877..66002, 66155..66367, 66664..66762, 66864..66995, 67105..67287, 67411..67706		
GI Descrip.	(AF193846) branched-chain amino acid aminotransferase [Solanum tuberosum]		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o2.ts	Method	TBLASTX:Soybean
Start	65889	End	67569
GI	none	Score	72
Exons	65889..66005, 65902..65964, 66152..66367, 66174..66368, 66655..66768, 66707..66763, 66862..66996, 66864..66917, 66966..66995, 67114..67248, 67127..67252, 67258..67290, 67262..67291, 67411..67491, 67501..67569		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o4.tm	Method	TBLASTX:Maize
Start	65889	End	67569
GI	none	Score	78
Exons	65889..66026, 65890..65964, 66152..66367, 66162..66368, 66661..66768, 66707..66763, 66862..66993, 66864..66995, 67114..67242, 67127..67252, 67258..67290, 67259..67288, 67411..67494, 67495..67569		

Seq. No.	56875	Seq. ID	OJ000103_04.0426.C9
Gene No.	118965	Strand	-
Start	65675	End	68103
Name	OJ000103_04.0426.C9.o2.tc	Method	TBLASTX:Cress
Start	66676	End	67569
GI	none	Score	157
Exons	66676..66768, 66862..66996, 66864..66917, 66966..66995, 67114..67248, 67127..67252, 67249..67290, 67402..67497, 67501..67569		

Seq. No.	56876	Seq. ID	OJ000103_04.0426.C11
Gene No.	118966	Strand	+

Start	2496	End	5711
Name	OJ000103_04.0426.C11.o2.np	Method	AAT/NAP
Start	2496	End	5711
GI	6498423	Score	187
Exons	2496..2753, 2805..3239, 5566..5711		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	56876	Seq. ID	OJ000103_04.0426.C11
Gene No.	118967	Strand	-
Start	1	End	1588
Name	OJ000103_04.0426.C11.o1.np	Method	AAT/NAP
Start	1	End	1588
GI	4539658	Score	194
Exons	1..255, 1550..1588		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	56876	Seq. ID	OJ000103_04.0426.C11
Gene No.	118968	Strand	-
Start	5065	End	5885
Name	OJ000103_04.0426.C11.o2.gs	Method	GENSCAN
Start	5065	End	5885
GI	none	Score	.84
Exons	5065..5297, 5378..5885		

Seq. No.	56876	Seq. ID	OJ000103_04.0426.C11
Gene No.	118969	Strand	-
Start	7605	End	12499
Name	OJ000103_04.0426.C11.o3.gs	Method	GENSCAN
Start	7605	End	12499
GI	none	Score	.43
Exons	7605..7680, 7769..7951, 8989..9136, 9684..9800, 10750..10921, 11005..11367, 12464..12499		

Seq. No.	56877	Seq. ID	OJ000103_04.0426.C12
Gene No.	118970	Strand	+
Start	1337	End	9381
Name	OJ000103_04.0426.C12.o1.gs	Method	GENSCAN
Start	1337	End	9381
GI	none	Score	.74
Exons	1337..1433, 1665..1854, 2669..2764, 2955..3232, 3450..3655, 6744..6828, 6940..7056, 8289..8447, 9227..9381		

Seq. No.	56877	Seq. ID	OJ000103_04.0426.C12
Gene No.	118971	Strand	-
Start	459	End	3599
Name	OJ000103_04.0426.C12.o1.np	Method	AAT/NAP
Start	459	End	3599
GI	7340868	Score	38
Exons	459..494, 1634..1818, 3565..3599		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	56877	Seq. ID	OJ000103_04.0426.C12
Gene No.	118972	Strand	-
Start	5341	End	6827
Name	OJ000103_04.0426.C12.o2.np	Method	AAT/NAP
Start	5341	End	6827

GI	5852093	Score	75
Exons	5341..5546, 6801..6827		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	56877	Seq. ID	OJ000103_04.0426.C12
Gene No.	118973	Strand	-
Start	11582	End	14000
Name	OJ000103_04.0426.C12.o2.gs	Method	GENSCAN
Start	11582	End	14000
GI	none	Score	.48
Exons	11582..11782, 12998..13054, 13833..14000		

Seq. No.	56878	Seq. ID	OJ000103_04.0426.C14
Gene No.	118974	Strand	-
Start	7400	End	13093
Name	OJ000103_04.0426.C14.o1.gp	Method	AAT/GAP
Start	7400	End	8934
GI	64829_1.R1084	Score	1423
Exons	7400..7770, 8067..8151, 8224..8279, 8564..8740, 8840..8934		
GI Descrip.	'5262190/emb|CAB45787.1| 3.0e-37 (AL080252) inositol 1, 3, 4-trisphosphate 5/6-kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	56878	Seq. ID	OJ000103_04.0426.C14
Gene No.	118974	Strand	-
Start	7400	End	13093
Name	OJ000103_04.0426.C14.o1.tm	Method	TBLASTX:Maize
Start	7660	End	12370
GI	none	Score	112
Exons	7660..7773, 7667..7771, 7683..7778, 8064..8150, 8065..8151, 8065..8151, 8224..8280, 8230..8277, 8560..8742, 8565..8741, 8831..8959, 8838..8984, 8839..8961, 8841..8984, 9246..9338, 9247..9339, 9248..9340, 10106..10234, 10107..10235, 10738..10845, 10748..10831, 12237..12344, 12238..12318, 12242..12370		

Seq. No.	56878	Seq. ID	OJ000103_04.0426.C14
Gene No.	118974	Strand	-
Start	7400	End	13093
Name	OJ000103_04.0426.C14.o2.gs	Method	GENSCAN
Start	7676	End	13093
GI	none	Score	.78
Exons	7676..7770, 8067..8151, 8224..8279, 8564..8740, 8840..8959, 10108..10228, 10528..10560, 10747..10828, 12190..12397, 12747..12862, 12922..13093		

Seq. No.	56878	Seq. ID	OJ000103_04.0426.C14
Gene No.	118974	Strand	-
Start	7400	End	13093
Name	OJ000103_04.0426.C14.o1.ts	Method	TBLASTX:Soybean
Start	7698	End	10211
GI	none	Score	92
Exons	7698..7778, 7703..7771, 8065..8151, 8066..8152, 8072..8152, 8224..8280, 8565..8741, 8567..8740, 8575..8742, 8838..8960, 8839..8961, 9247..9303, 9298..9339, 10104..10211, 10106..10210		

Seq. No.	56878	Seq. ID	OJ000103_04.0426.C14
Gene No.	118974	Strand	-

Start	7400	End	13093
Name	OJ000103_04.0426.C14.o1.np	Method	AAT/NAP
Start	8009	End	12454
GI	7487925	Score	751
Exons	8009..8151, 8224..8279, 8564..8740, 8840..8959, 9246..9338, 10108..10228, 10528..10560, 10747..10828, 12243..12454		
GI Descrip.	inositol 1,3,4-trisphosphate 5/6-kinase homolog T12G13.10 - Arabidopsis thaliana gi|5262190|emb|CAB45787.1| (AL080252) inositol 1, 3, 4-trisphosphate 5/6-kinase-like protein [Arabidopsis thaliana] gi|7267457|emb|CAB81153.1| (AL161510) inositol 1, 3, 4-trisphosphate 5/6-kinase-like protein [Arabidopsis thaliana]		

Seq. No.	56878	Seq. ID	OJ000103_04.0426.C14
Gene No.	118974	Strand	-
Start	7400	End	13093
Name	OJ000103_04.0426.C14.o1.tc	Method	TBLASTX:Cress
Start	8065	End	12319
GI	none	Score	67
Exons	8065..8151, 8592..8741, 8838..8960, 10717..10830, 12254..12319		

Seq. No.	56878	Seq. ID	OJ000103_04.0426.C14
Gene No.	118974	Strand	-
Start	7400	End	13093
Name	OJ000103_04.0426.C14.o2.gp	Method	AAT/GAP
Start	12203	End	12642
GI	701849	Score	711
Exons	12203..12642		

Seq. No.	56879	Seq. ID	OJ000103_04.0426.C15
Gene No.	118975	Strand	+
Start	296	End	401
Name	OJ000103_04.0426.C15.o1.gs	Method	GENSCAN
Start	296	End	401
GI	none	Score	.73
Exons	296..401		

Seq. No.	56879	Seq. ID	OJ000103_04.0426.C15
Gene No.	118976	Strand	+
Start	7046	End	7956
Name	OJ000103_04.0426.C15.o4.gs	Method	GENSCAN
Start	7046	End	7956
GI	none	Score	.96
Exons	7046..7189, 7301..7483, 7502..7637, 7793..7956		

Seq. No.	56879	Seq. ID	OJ000103_04.0426.C15
Gene No.	118977	Strand	+
Start	11835	End	15351
Name	OJ000103_04.0426.C15.o3.np	Method	AAT/NAP
Start	11835	End	15351
GI	6721512	Score	86
Exons	11835..11858, 13539..13630, 13658..13790, 13830..13874, 15309..15351		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	56879	Seq. ID	OJ000103_04.0426.C15
Gene No.	118978	Strand	-

Start	623	End	5835
Name	OJ000103_04.0426.C15.o2.gs	Method	GENSCAN
Start	623	End	5740
GI	none	Score	.58
Exons	623..890, 969..1118, 2179..2241, 3008..3099, 4037..4179, 4261..4508, 4839..5740		

Seq. No.	56879	Seq. ID	OJ000103_04.0426.C15
Gene No.	118978	Strand	-
Start	623	End	5835
Name	OJ000103_04.0426.C15.o1.gp	Method	AAT/GAP
Start	5443	End	5835
GI	none	Score	665
Exons	5443..5835		

Seq. No.	56879	Seq. ID	OJ000103_04.0426.C15
Gene No.	118979	Strand	-
Start	6348	End	6826
Name	OJ000103_04.0426.C15.o2.tm	Method	TBLASTX:Maize
Start	4277	End	4525
GI	none	Score	125
Exons	4277..4525, 4281..4490		

Seq. No.	56879	Seq. ID	OJ000103_04.0426.C15
Gene No.	118979	Strand	-
Start	6348	End	6826
Name	OJ000103_04.0426.C15.o1.ts	Method	TBLASTX:Soybean
Start	4286	End	5563
GI	none	Score	136
Exons	4286..4489, 4287..4490, 5390..5563		

Seq. No.	56879	Seq. ID	OJ000103_04.0426.C15
Gene No.	118979	Strand	-
Start	6348	End	6826
Name	OJ000103_04.0426.C15.o1.tm	Method	TBLASTX:Maize
Start	5336	End	5654
GI	none	Score	138
Exons	5336..5653, 5378..5572, 5598..5654		

Seq. No.	56879	Seq. ID	OJ000103_04.0426.C15
Gene No.	118979	Strand	-
Start	6348	End	6826
Name	OJ000103_04.0426.C15.o1.tw	Method	TBLASTX:Wheat
Start	5516	End	5771
GI	none	Score	81
Exons	5516..5656, 5517..5657, 5595..5705, 5651..5740, 5692..5739, 5733..5771		

Seq. No.	56879	Seq. ID	OJ000103_04.0426.C15
Gene No.	118979	Strand	-
Start	6348	End	6826
Name	OJ000103_04.0426.C15.o3.gs	Method	GENSCAN
Start	6348	End	6826
GI	none	Score	.67
Exons	6348..6514, 6763..6826		

Seq. No.	56880	Seq. ID	OJ000103_04.0426.C16

Gene No.	118980	Strand	+
Start	54	End	1171
Name	OJ000103_04.0426.C16.o1.gs	Method	GENSCAN
Start	54	End	1171
GI	none	Score	.58
Exons	54..136, 1033..1171		

Seq. No.	56880	Seq. ID	OJ000103_04.0426.C16
Gene No.	118981	Strand	+
Start	1274	End	1587
Name	OJ000103_04.0426.C16.o1.np	Method	AAT/NAP
Start	1274	End	1587
GI	6983864	Score	61
Exons	1274..1330, 1543..1587		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	56881	Seq. ID	OJ000103_04.0426.C17
Gene No.	118982	Strand	+
Start	93	End	8290
Name	OJ000103_04.0426.C17.o1.gs	Method	GENSCAN
Start	93	End	7962
GI	none	Score	.55
Exons	93..290, 1006..1123, 1135..1203, 1285..1430, 1468..1668, 2286..2437, 2490..3060, 3302..3868, 5092..5166, 5851..5943, 6730..6799, 6893..6984, 7612..7653, 7783..7962		

Seq. No.	56881	Seq. ID	OJ000103_04.0426.C17
Gene No.	118982	Strand	+
Start	93	End	8290
Name	OJ000103_04.0426.C17.o1.np	Method	AAT/NAP
Start	4866	End	8033
GI	4432861	Score	257
Exons	4866..4970, 5092..5190, 5884..5947, 6956..6984, 7612..7653, 7783..7863, 7965..8033		
GI Descrip.	(AC006300) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56881	Seq. ID	OJ000103_04.0426.C17
Gene No.	118982	Strand	+
Start	93	End	8290
Name	OJ000103_04.0426.C17.o1.gp	Method	AAT/GAP
Start	6717	End	8290
GI	40685_1.R1084	Score	1168
Exons	6717..6799, 6893..6984, 7612..7653, 7783..7863, 7965..8290		
GI Descrip.	'4432861/gb|AAD20709| 1.0e-19 (AC006300) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	56881	Seq. ID	OJ000103_04.0426.C17
Gene No.	118983	Strand	+
Start	14609	End	14714
Name	OJ000103_04.0426.C17.o2.gp	Method	AAT/GAP
Start	14609	End	14714
GI	none	Score	159
Exons	14609..14714		

Seq. No.	56881	Seq. ID	OJ000103_04.0426.C17
Gene No.	118984	Strand	+
Start	14887	End	15292

Name	OJ000103_04.0426.C17.o3.gp	Method	AAT/GAP
Start	14887	End	15292
GI	none	Score	615
Exons	14887..15292		

Seq. No.	56881	Seq. ID	OJ000103_04.0426.C17
Gene No.	118985	Strand	-
Start	8640	End	9537
Name	OJ000103_04.0426.C17.o2.gs	Method	GENSCAN
Start	8640	End	9537
GI	none	Score	.86
Exons	8640..9078, 9434..9537		

Seq. No.	56881	Seq. ID	OJ000103_04.0426.C17
Gene No.	118986	Strand	-
Start	11532	End	15284
Name	OJ000103_04.0426.C17.o1.tm	Method	TBLASTX:Maize
Start	6730	End	7844
GI	none	Score	101
Exons	6730..6801, 6730..6798, 6888..6986, 6891..6974, 6892..6987, 7611..7652, 7612..7653, 7782..7844, 7783..7842		

Seq. No.	56881	Seq. ID	OJ000103_04.0426.C17
Gene No.	118986	Strand	-
Start	11532	End	15284
Name	OJ000103_04.0426.C17.o3.gs	Method	GENSCAN
Start	11532	End	15284
GI	none	Score	.53
Exons	11532..11639, 15065..15284		

Seq. No.	56882	Seq. ID	OJ000113_04.0426.C1
Gene No.	118987	Strand	-
Start	816	End	1221
Name	OJ000113_04.0426.C1.o1.gp	Method	AAT/GAP
Start	816	End	1221
GI	none	Score	615
Exons	816..1221		

Seq. No.	56883	Seq. ID	OJ000113_04.0426.C2
Gene No.	118988	Strand	+
Start	902	End	3901
Name	OJ000113_04.0426.C2.o1.gs	Method	GENSCAN
Start	902	End	3901
GI	none	Score	.85
Exons	902..1010, 3463..3901		

Seq. No.	56883	Seq. ID	OJ000113_04.0426.C2
Gene No.	118989	Strand	-
Start	4579	End	9215
Name	OJ000113_04.0426.C2.o1.gp	Method	AAT/GAP
Start	4251	End	5824
GI	40685_1.R1084	Score	1168
Exons	4251..4576, 4678..4758, 4888..4929, 5557..5648, 5742..5824		
GI Descrip.	'4432861/gb|AAD20709| 1.0e-19 (AC006300) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	56883	Seq. ID	OJ000113_04.0426.C2

Gene No.	118989	Strand	-
Start	4579	End	9215
Name	OJ000113_04.0426.C2.o1.np	Method	AAT/NAP
Start	4508	End	7675
GI	4432861	Score	257
Exons	4508..4576, 4678..4758, 4888..4929, 5557..5585, 6594..6657, 7351..7449, 7571..7675		
GI Descrip.	(AC006300) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56883	Seq. ID	OJ000113_04.0426.C2
Gene No.	118989	Strand	-
Start	4579	End	9215
Name	OJ000113_04.0426.C2.o2.gs	Method	GENSCAN
Start	4579	End	9215
GI	none	Score	.86
Exons	4579..4758, 4888..4929, 5557..5648, 5742..5811, 6598..6690, 7375..7449, 8673..9215		

Seq. No.	56883	Seq. ID	OJ000113_04.0426.C2
Gene No.	118989	Strand	-
Start	4579	End	9215
Name	OJ000113_04.0426.C2.o1.tm	Method	TBLASTX:Maize
Start	4697	End	5811
GI	none	Score	89
Exons	4697..4759, 4699..4758, 4889..4930, 5554..5649, 5555..5653, 5567..5650, 5736..5810, 5740..5811, 5743..5811		

Seq. No.	56884	Seq. ID	OJ000113_04.0426.C3
Gene No.	118990	Strand	-
Start	139	End	6348
Name	OJ000113_04.0426.C3.o1.gs	Method	GENSCAN
Start	139	End	6348
GI	none	Score	.5
Exons	139..290, 697..761, 1138..1291, 1373..1441, 2659..2911, 5053..5149, 6046..6348		

Seq. No.	56885	Seq. ID	OJ000113_04.0426.C5
Gene No.	118991	Strand	+
Start	183	End	2373
Name	OJ000113_04.0426.C5.o1.gs	Method	GENSCAN
Start	183	End	2373
GI	none	Score	.63
Exons	183..300, 1231..1265, 1385..1603, 1886..1958, 2252..2373		

Seq. No.	56885	Seq. ID	OJ000113_04.0426.C5
Gene No.	118992	Strand	+
Start	2981	End	7971
Name	OJ000113_04.0426.C5.o1.gp	Method	AAT/GAP
Start	2886	End	3278
GI	none	Score	665
Exons	2886..3278		

Seq. No.	56885	Seq. ID	OJ000113_04.0426.C5
Gene No.	118992	Strand	+
Start	2981	End	7971
Name	OJ000113_04.0426.C5.o2.gs	Method	GENSCAN
Start	2981	End	7971

GI	none	Score	.76
Exons	2981..3882, 4213..4460, 4542..4684, 5622..5713, 5838..5916, 6480..6542, 7603..7761, 7831..7971		

Seq. No.	56885	Seq. ID	OJ000113_04.0426.C5
Gene No.	118992	Strand	+
Start	2981	End	7971
Name	OJ000113_04.0426.C5.o2.np	Method	AAT/NAP
Start	3733	End	5729
GI	7485680	Score	190
Exons	3733..3882, 4213..4434, 5696..5729		
GI Descrip.	hypothetical protein F17O7.2 - Arabidopsis thaliana gi|3176692|gb|AAC18815.1| (AC003671) F17O7.2 [Arabidopsis thaliana]		

Seq. No.	56885	Seq. ID	OJ000113_04.0426.C5
Gene No.	118993	Strand	+
Start	10070	End	12518
Name	OJ000113_04.0426.C5.o1.tw	Method	TBLASTX:Wheat
Start	2950	End	3205
GI	none	Score	65
Exons	2950..2988, 2981..3070, 2982..3029, 3016..3126, 3064..3204, 3065..3205		

Seq. No.	56885	Seq. ID	OJ000113_04.0426.C5
Gene No.	118993	Strand	+
Start	10070	End	12518
Name	OJ000113_04.0426.C5.o1.tm	Method	TBLASTX:Maize
Start	3067	End	3385
GI	none	Score	322
Exons	3067..3123, 3068..3385, 3149..3343		

Seq. No.	56885	Seq. ID	OJ000113_04.0426.C5
Gene No.	118993	Strand	+
Start	10070	End	12518
Name	OJ000113_04.0426.C5.o1.ts	Method	TBLASTX:Soybean
Start	3158	End	4435
GI	none	Score	98
Exons	3158..3331, 4231..4434, 4232..4435		

Seq. No.	56885	Seq. ID	OJ000113_04.0426.C5
Gene No.	118993	Strand	+
Start	10070	End	12518
Name	OJ000113_04.0426.C5.o2.tm	Method	TBLASTX:Maize
Start	4196	End	4444
GI	none	Score	208
Exons	4196..4444, 4231..4440		

Seq. No.	56885	Seq. ID	OJ000113_04.0426.C5
Gene No.	118993	Strand	+
Start	10070	End	12518
Name	OJ000113_04.0426.C5.o2.gp	Method	AAT/GAP
Start	9858	End	10297
GI	701849	Score	711
Exons	9858..10297		

Seq. No.	56885	Seq. ID	OJ000113_04.0426.C5

Gene No.	118993	Strand	+
Start	10070	End	12518
Name	OJ000113_04.0426.C5.o3.np	Method	AAT/NAP
Start	10067	End	12518
GI	7487088	Score	219
Exons	10067..10257, 11672..11753, 12272..12398, 12446..12518		
GI Descrip.	hypothetical protein T16L1.260 - Arabidopsis thaliana gi|3549679|emb|CAA20590.1| (AL031394) putative protein [Arabidopsis thaliana] gi|7270326|emb|CAB80094.1| (AL161584) putative protein [Arabidopsis thaliana]		

Seq. No.	56885	Seq. ID	OJ000113_04.0426.C5
Gene No.	118993	Strand	+
Start	10070	End	12518
Name	OJ000113_04.0426.C5.o3.gs	Method	GENSCAN
Start	10070	End	12392
GI	none	Score	.83
Exons	10070..10257, 11672..11753, 11940..11972, 12272..12392		

Seq. No.	56885	Seq. ID	OJ000113_04.0426.C5
Gene No.	118993	Strand	+
Start	10070	End	12518
Name	OJ000113_04.0426.C5.o3.tm	Method	TBLASTX:Maize
Start	10130	End	12394
GI	none	Score	153
Exons	10130..10258, 10156..10263, 10182..10262, 11655..11762, 11669..11752, 12265..12393, 12266..12394		

Seq. No.	56886	Seq. ID	OJ000113_04.0426.C6
Gene No.	118994	Strand	+
Start	1	End	1177
Name	OJ000113_04.0426.C6.o1.np	Method	AAT/NAP
Start	1	End	569
GI	7487925	Score	128
Exons	1..28, 299..354, 427..569		
GI Descrip.	inositol 1,3,4-trisphosphate 5/6-kinase homolog T12G13.10 - Arabidopsis thaliana gi|5262190|emb|CAB45787.1| (AL080252) inositol 1, 3, 4-trisphosphate 5/6-kinase-like protein [Arabidopsis thaliana] gi|7267457|emb|CAB81153.1| (AL161510) inositol 1, 3, 4-trisphosphate 5/6-kinase-like protein [Arabidopsis thaliana]		

Seq. No.	56886	Seq. ID	OJ000113_04.0426.C6
Gene No.	118994	Strand	+
Start	1	End	1177
Name	OJ000113_04.0426.C6.o1.gp	Method	AAT/GAP
Start	299	End	1177
GI	64829_1.R1084	Score	920
Exons	299..354, 427..512, 808..1177		
GI Descrip.	'5262190/emb|CAB45787.1| 3.0e-37 (AL080252) inositol 1, 3, 4-trisphosphate 5/6-kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	56886	Seq. ID	OJ000113_04.0426.C6
Gene No.	118995	Strand	-
Start	520	End	2014
Name	OJ000113_04.0426.C6.o1.tm	Method	TBLASTX:Maize
Start	298	End	918

GI	none	Score	94
Exons	298..354, 301..348, 427..513, 427..513, 428..514, 796..918, 811..894		

Seq. No.	56886	Seq. ID	OJ000113_04.0426.C6
Gene No.	118995	Strand	-
Start	520	End	2014
Name	OJ000113_04.0426.C6.o1.gs	Method	GENSCAN
Start	520	End	2014
GI	none	Score	.41
Exons	520..621, 704..885, 1879..2014		

Seq. No.	56887	Seq. ID	OJ000113_04.0426.C7
Gene No.	118996	Strand	+
Start	50	End	346
Name	OJ000113_04.0426.C7.o1.gs	Method	GENSCAN
Start	50	End	346
GI	none	Score	.95
Exons	50..346		

Seq. No.	56887	Seq. ID	OJ000113_04.0426.C7
Gene No.	118997	Strand	+
Start	15930	End	17416
Name	OJ000113_04.0426.C7.o1.np	Method	AAT/NAP
Start	15930	End	17416
GI	5852093	Score	75
Exons	15930..15956, 17211..17416		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	56887	Seq. ID	OJ000113_04.0426.C7
Gene No.	118998	Strand	+
Start	23144	End	24097
Name	OJ000113_04.0426.C7.o1.gp	Method	AAT/GAP
Start	22922	End	23200
GI	none	Score	543
Exons	22922..23200		

Seq. No.	56887	Seq. ID	OJ000113_04.0426.C7
Gene No.	118998	Strand	+
Start	23144	End	24097
Name	OJ000113_04.0426.C7.o5.gs	Method	GENSCAN
Start	23144	End	23883
GI	none	Score	.6
Exons	23144..23605, 23804..23883		

Seq. No.	56887	Seq. ID	OJ000113_04.0426.C7
Gene No.	118998	Strand	+
Start	23144	End	24097
Name	OJ000113_04.0426.C7.o2.np	Method	AAT/NAP
Start	23474	End	24097
GI	7415620	Score	220
Exons	23474..23596, 23804..23887, 23999..24097		
GI Descrip.	(AB028075) homeobox protein PpHB4 [Physcomitrella patens]		

Seq. No.	56887	Seq. ID	OJ000113_04.0426.C7
Gene No.	118999	Strand	-
Start	13376	End	21420

Name	OJ000113_04.0426.C7.o4.gs	Method	GENSCAN
Start	13376	End	21420
GI	none	Score	.74
Exons	13376..13530, 14310..14468, 15701..15817, 15929..16013, 19102..19307, 19525..19802, 19993..20088, 20903..21092, 21324..21420		

Seq. No.	56888	Seq. ID	OJ000113_04.0426.C8
Gene No.	119000	Strand	+
Start	1	End	331
Name	OJ000113_04.0426.C8.o1.np	Method	AAT/NAP
Start	1	End	331
GI	1170409	Score	237
Exons	1..105, 154..331		
GI Descrip.	HOMEOBOX-LEUCINE ZIPPER PROTEIN HAT22 (HD-ZIP PROTEIN 22) gi|549887 (U09336) homeobox protein [Arabidopsis thaliana] gi|549888 (U09337) homeobox protein [Arabidopsis thaliana] gi|4490724|emb|CAB38927.1| (AL035709) homeobox protein HAT22 [Arabidopsis thaliana]		

Seq. No.	56888	Seq. ID	OJ000113_04.0426.C8
Gene No.	119001	Strand	-
Start	51	End	2168
Name	OJ000113_04.0426.C8.o1.gs	Method	GENSCAN
Start	51	End	2168
GI	none	Score	.43
Exons	51..382, 1198..1302, 2022..2168		

Seq. No.	56889	Seq. ID	OJ000113_04.0426.C9
Gene No.	119002	Strand	+
Start	717	End	3014
Name	OJ000113_04.0426.C9.o1.gs	Method	GENSCAN
Start	717	End	3014
GI	none	Score	.41
Exons	717..798, 819..935, 1483..1630, 2668..2850, 2939..3014		

Seq. No.	56889	Seq. ID	OJ000113_04.0426.C9
Gene No.	119003	Strand	+
Start	4734	End	5554
Name	OJ000113_04.0426.C9.o2.gs	Method	GENSCAN
Start	4734	End	5554
GI	none	Score	.83
Exons	4734..5241, 5322..5554		

Seq. No.	56889	Seq. ID	OJ000113_04.0426.C9
Gene No.	119004	Strand	+
Start	9030	End	14809
Name	OJ000113_04.0426.C9.o2.np	Method	AAT/NAP
Start	9030	End	13018
GI	4539658	Score	186
Exons	9030..9068, 10363..10613, 12925..13018		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	56889	Seq. ID	OJ000113_04.0426.C9
Gene No.	119004	Strand	+
Start	9030	End	14809

Name	OJ000113_04.0426.C9.o4.gs	Method	GENSCAN
Start	10529	End	14809
GI	none	Score	.91
Exons	10529..10613, 12364..12521, 12667..12756, 12846..13073, 13197..13379, 13489..13620, 13722..13820, 14117..14329, 14482..14594, 14626..14809		

Seq. No.	56889	Seq. ID	OJ000113_04.0426.C9
Gene No.	119004	Strand	+
Start	9030	End	14809
Name	OJ000113_04.0426.C9.o1.gp	Method	AAT/GAP
Start	12519	End	13320
GI	27351_1.R1084	Score	1284
Exons	12519..13073, 13197..13320		
GI Descrip.	'2827709/emb|CAA16682| 1.0e-30 (AL021684) predicted protein [Arabidopsis thaliana]'		

Seq. No.	56889	Seq. ID	OJ000113_04.0426.C9
Gene No.	119004	Strand	+
Start	9030	End	14809
Name	OJ000113_04.0426.C9.o3.np	Method	AAT/NAP
Start	12778	End	14806
GI	6319167	Score	1014
Exons	12778..13073, 13197..13379, 13489..13620, 13722..13820, 14117..14329, 14482..14607, 14705..14806		
GI Descrip.	(AF193846) branched-chain amino acid aminotransferase [Solanum tuberosum]		

Seq. No.	56889	Seq. ID	OJ000113_04.0426.C9
Gene No.	119005	Strand	-
Start	1	End	8123
Name	OJ000113_04.0426.C9.o1.np	Method	AAT/NAP
Start	1	End	8123
GI	6498423	Score	194
Exons	1..31, 4909..5053, 7380..7814, 7866..8123		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	56889	Seq. ID	OJ000113_04.0426.C9
Gene No.	119005	Strand	-
Start	1	End	8123
Name	OJ000113_04.0426.C9.o3.gs	Method	GENSCAN
Start	6912	End	7904
GI	none	Score	.49
Exons	6912..6992, 7362..7904		

Seq. No.	56889	Seq. ID	OJ000113_04.0426.C9
Gene No.	119006	Strand	-
Start	15432	End	15615
Name	OJ000113_04.0426.C9.o1.tc	Method	TBLASTX:Cress
Start	12915	End	13808
GI	none	Score	115
Exons	12915..12983, 12987..13082, 13194..13235, 13232..13357, 13236..13370, 13488..13622, 13489..13518, 13567..13620, 13716..13808		

Seq. No.	56889	Seq. ID	OJ000113_04.0426.C9
Gene No.	119006	Strand	-

Start	15432	End	15615
Name	OJ000113_04.0426.C9.o1.tm	Method	TBLASTX:Maize
Start	12915	End	14595
GI	none	Score	96
Exons	12915..12989, 12990..13073, 13194..13226, 13196..13225, 13232..13357, 13242..13370, 13489..13620, 13491..13622, 13716..13823, 13721..13777, 14116..14322, 14117..14332, 14458..14595, 14520..14594		

Seq. No.	56889	Seq. ID	OJ000113_04.0426.C9
Gene No.	119006	Strand	-
Start	15432	End	15615
Name	OJ000113_04.0426.C9.o1.ts	Method	TBLASTX:Soybean
Start	12915	End	14595
GI	none	Score	108
Exons	12915..12983, 12993..13073, 13070..13102, 13193..13222, 13194..13226, 13232..13357, 13236..13370, 13488..13622, 13489..13518, 13567..13620, 13716..13829, 13721..13777, 14116..14310, 14117..14332, 14479..14595, 14520..14582		

Seq. No.	56889	Seq. ID	OJ000113_04.0426.C9
Gene No.	119006	Strand	-
Start	15432	End	15615
Name	OJ000113_04.0426.C9.o2.tc	Method	TBLASTX:Cress
Start	14114	End	14809
GI	none	Score	266
Exons	14114..14344, 14116..14331, 14138..14341, 14479..14595, 14520..14579, 14692..14799, 14693..14809		

Seq. No.	56889	Seq. ID	OJ000113_04.0426.C9
Gene No.	119006	Strand	-
Start	15432	End	15615
Name	OJ000113_04.0426.C9.o5.gs	Method	GENSCAN
Start	15432	End	15615
GI	none	Score	.75
Exons	15432..15615		

Seq. No.	56890	Seq. ID	OJ000113_04.0426.C10
Gene No.	119007	Strand	-
Start	1	End	2603
Name	OJ000113_04.0426.C10.o1.np	Method	AAT/NAP
Start	1	End	2603
GI	6685403	Score	1274
Exons	1..366, 449..667, 771..939, 1224..1398, 1466..1577, 2319..2603		
GI Descrip.	SQUALENE MONOOXYGENASE (SQUALENE EPOXIDASE) (SE) gi|2804278|dbj|BAA24448| (AB003516) squalene epoxidase [Panax ginseng]		

Seq. No.	56890	Seq. ID	OJ000113_04.0426.C10
Gene No.	119007	Strand	-
Start	1	End	2603
Name	OJ000113_04.0426.C10.o1.gs	Method	GENSCAN
Start	91	End	2549
GI	none	Score	.8
Exons	91..366, 771..939, 1224..1398, 1466..1577, 2319..2549		

Seq. No.	56890	Seq. ID	OJ000113_04.0426.C10

Gene No.	119008	Strand	-
Start	2528	End	6615
Name	OJ000113_04.0426.C10.o1.tc	Method	TBLASTX:Cress
Start	91	End	6576
GI	none	Score	87
Exons	91..315, 136..249, 185..265, 316..369, 446..664, 447..656, 783..941, 784..945, 1229..1306, 1310..1399, 1467..1577, 1471..1578, 4433..4519, 4684..4986, 4712..4984, 5069..5293, 5114..5293, 5294..5347, 5433..5549, 5433..5651, 5434..5643, 5746..5904, 5747..5908, 6189..6266, 6270..6359, 6469..6576, 6495..6575		

Seq. No.	56890	Seq. ID	OJ000113_04.0426.C10
Gene No.	119008	Strand	-
Start	2528	End	6615
Name	OJ000113_04.0426.C10.o1.tm	Method	TBLASTX:Maize
Start	91	End	5286
GI	none	Score	275
Exons	91..306, 91..306, 92..307, 92..307, 4433..4528, 4452..4520, 4463..4522, 4705..4986, 4706..4984, 4708..4986, 5069..5284, 5069..5284, 5070..5285, 5071..5286		

Seq. No.	56890	Seq. ID	OJ000113_04.0426.C10
Gene No.	119008	Strand	-
Start	2528	End	6615
Name	OJ000113_04.0426.C10.o1.ts	Method	TBLASTX:Soybean
Start	91	End	6360
GI	none	Score	274
Exons	91..369, 95..364, 105..371, 179..370, 288..377, 289..381, 446..667, 447..668, 449..670, 460..672, 723..941, 769..939, 1215..1400, 1226..1399, 4430..4528, 4452..4520, 4703..4972, 4705..4986, 4706..4984, 4708..4986, 5069..5347, 5073..5342, 5081..5359, 5433..5654, 5434..5655, 5436..5657, 5689..5904, 5732..5902, 6175..6360, 6186..6359		

Seq. No.	56890	Seq. ID	OJ000113_04.0426.C10
Gene No.	119008	Strand	-
Start	2528	End	6615
Name	OJ000113_04.0426.C10.o2.tm	Method	TBLASTX:Maize
Start	467	End	6577
GI	none	Score	273
Exons	467..667, 468..668, 469..669, 768..941, 769..942, 772..942, 774..965, 1215..1373, 1216..1380, 1226..1390, 1228..1380, 1229..1387, 1379..1399, 1467..1577, 1471..1578, 1475..1579, 2297..2401, 2319..2384, 5454..5654, 5454..5654, 5455..5655, 5456..5656, 5686..5904, 5732..5905, 5735..5917, 6175..6333, 6186..6350, 6188..6340, 6198..6350, 6469..6576, 6473..6577, 6492..6575		

Seq. No.	56890	Seq. ID	OJ000113_04.0426.C10
Gene No.	119008	Strand	-
Start	2528	End	6615
Name	OJ000113_04.0426.C10.o1.tw	Method	TBLASTX:Wheat
Start	773	End	6564
GI	none	Score	179
Exons	773..940, 774..941, 775..942, 1191..1385, 1213..1392, 1215..1400, 1226..1399, 1465..1563, 1466..1564, 1467..1565,		

1467..1565, 1471..1566, 5736..5903, 5736..5897, 5737..5904, 5738..5905, 5738..5917, 6184..6360, 6186..6359, 6463..6561, 6465..6563, 6469..6564, 6492..6563

Seq. No.	56890	Seq. ID	OJ000113_04.0426.C10
Gene No.	119008	Strand	-
Start	2528	End	6615
Name	OJ000113_04.0426.C10.o1.gp	Method	AAT/GAP
Start	2528	End	3842
GI	2427419	Score	664
Exons	2528..2560, 3512..3842		

Seq. No.	56890	Seq. ID	OJ000113_04.0426.C10
Gene No.	119008	Strand	-
Start	2528	End	6615
Name	OJ000113_04.0426.C10.o2.gs	Method	GENSCAN
Start	3508	End	6550
GI	none	Score	.6
Exons	3508..3733, 3961..4057, 4866..4983, 5069..5344, 5734..5902, 6184..6346, 6464..6550		

Seq. No.	56890	Seq. ID	OJ000113_04.0426.C10
Gene No.	119008	Strand	-
Start	2528	End	6615
Name	OJ000113_04.0426.C10.o2.gp	Method	AAT/GAP
Start	4149	End	4950
GI	18656_1.R1084	Score	1100
Exons	4149..4522, 4705..4950		
GI Descrip.	'4490721/emb|CAB38924.1| 1.0e-45 (AL035709) squalene epoxidase-like protein [Arabidopsis thaliana]'		

Seq. No.	56890	Seq. ID	OJ000113_04.0426.C10
Gene No.	119008	Strand	-
Start	2528	End	6615
Name	OJ000113_04.0426.C10.o2.np	Method	AAT/NAP
Start	4421	End	6615
GI	6685403	Score	1790
Exons	4421..4522, 4705..4983, 5069..5344, 5436..5654, 5734..5902, 6184..6358, 6464..6615		
GI Descrip.	SQUALENE MONOOXYGENASE (SQUALENE EPOXIDASE) (SE) gi|2804278|dbj|BAA24448| (AB003516) squalene epoxidase [Panax ginseng]		

Seq. No.	56890	Seq. ID	OJ000113_04.0426.C10
Gene No.	119008	Strand	-
Start	2528	End	6615
Name	OJ000113_04.0426.C10.o3.gp	Method	AAT/GAP
Start	5734	End	6532
GI	LIB3474-003-P1-K1-G6	Score	745
Exons	5734..5902, 6184..6358, 6464..6532		
GI Descrip.	'2804278/dbj|BAA24448| 3.0e-67 (AB003516) squalene epoxidase [Panax ginseng]'		

Seq. No.	56891	Seq. ID	OJ000113_04.0426.C11
Gene No.	119009	Strand	+
Start	13733	End	13819
Name	OJ000113_04.0426.C11.o1.gp	Method	AAT/GAP

Start	13733	End	13819
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	13733..13819		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	56891	Seq. ID	OJ000113_04.0426.C11
Gene No.	119010	Strand	-
Start	1284	End	2116
Name	OJ000113_04.0426.C11.o1.gs	Method	GENSCAN
Start	1284	End	2116
GI	none	Score	.94
Exons	1284..1370, 1862..2116		

Seq. No.	56891	Seq. ID	OJ000113_04.0426.C11
Gene No.	119011	Strand	-
Start	3601	End	6691
Name	OJ000113_04.0426.C11.o1.np	Method	AAT/NAP
Start	3601	End	6691
GI	5734621	Score	384
Exons	3601..3701, 6098..6691		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	56891	Seq. ID	OJ000113_04.0426.C11
Gene No.	119012	Strand	-
Start	14583	End	15002
Name	OJ000113_04.0426.C11.o2.gp	Method	AAT/GAP
Start	14583	End	15002
GI	none	Score	812
Exons	14583..15002		

Seq. No.	56891	Seq. ID	OJ000113_04.0426.C11
Gene No.	119013	Strand	-
Start	16931	End	17864
Name	OJ000113_04.0426.C11.o1.tm	Method	TBLASTX:Maize
Start	14967	End	17694
GI	none	Score	184
Exons	14967..15155, 14968..15156, 14969..15157, 14970..15146, 14986..15156, 17242..17355, 17275..17355, 17276..17365, 17469..17582, 17473..17565, 17475..17570, 17658..17693, 17659..17694		

Seq. No.	56891	Seq. ID	OJ000113_04.0426.C11
Gene No.	119013	Strand	-
Start	16931	End	17864
Name	OJ000113_04.0426.C11.o2.np	Method	AAT/NAP
Start	16876	End	17864
GI	7460050	Score	133
Exons	16876..16981, 17427..17864		
GI Descrip.	hypothetical protein T16L1.270 - Arabidopsis thaliana gi|3549680|emb|CAA20591.1| (AL031394) putative protein [Arabidopsis thaliana] gi|7270327|emb|CAB80095.1| (AL161584) putative protein [Arabidopsis thaliana]		

Seq. No.	56891	Seq. ID	OJ000113_04.0426.C11
Gene No.	119013	Strand	-
Start	16931	End	17864
Name	OJ000113_04.0426.C11.o4.gs	Method	GENSCAN
Start	16931	End	17864
GI	none	Score	.72
Exons	16931..17098, 17290..17355, 17475..17864		

Seq. No.	56892	Seq. ID	OJ000113_04.0426.C12
Gene No.	119014	Strand	-
Start	1940	End	3261
Name	OJ000113_04.0426.C12.o1.gs	Method	GENSCAN
Start	1940	End	3261
GI	none	Score	.83
Exons	1940..1977, 2035..2208, 2657..2728, 2811..2895, 2959..3153, 3187..3261		

Seq. No.	56892	Seq. ID	OJ000113_04.0426.C12
Gene No.	119014	Strand	-
Start	1940	End	3261
Name	OJ000113_04.0426.C12.o1.np	Method	AAT/NAP
Start	2064	End	3137
GI	6041855	Score	226
Exons	2064..2321, 2394..2550, 2657..2725, 2811..2876, 2959..3137		
GI Descrip.	(AC009853) unknown protein [Arabidopsis thaliana]		

Seq. No.	56892	Seq. ID	OJ000113_04.0426.C12
Gene No.	119014	Strand	-
Start	1940	End	3261
Name	OJ000113_04.0426.C12.o1.ts	Method	TBLASTX:Soybean
Start	2497	End	3036
GI	none	Score	67
Exons	2497..2556, 2634..2726, 2639..2728, 2787..2915, 2812..2871, 2954..3010, 2956..3036		

Seq. No.	56892	Seq. ID	OJ000113_04.0426.C12
Gene No.	119014	Strand	-
Start	1940	End	3261
Name	OJ000113_04.0426.C12.o1.gp	Method	AAT/GAP
Start	2612	End	3213
GI	2800088	Score	454
Exons	2612..2725, 2811..2876, 2959..3105, 3187..3213		
GI Descrip.	6041855/gb|AAF02164.1|AC009853_24 3.0e-22 (AC009853) unknown protein [Arabidopsis thaliana]		

Seq. No.	56892	Seq. ID	OJ000113_04.0426.C12
Gene No.	119014	Strand	-
Start	1940	End	3261
Name	OJ000113_04.0426.C12.o1.tw	Method	TBLASTX:Wheat
Start	2615	End	2995
GI	none	Score	51
Exons	2615..2728, 2640..2723, 2782..2874, 2787..2873, 2959..2994, 2960..2995		

Seq. No.	56892	Seq. ID	OJ000113_04.0426.C12
Gene No.	119014	Strand	-
Start	1940	End	3261

Name	OJ000113_04.0426.C12.o1.tc	Method	TBLASTX:Cress
Start	2657	End	3024
GI	none	Score	73
Exons	2657..2728, 2658..2726, 2787..2873, 2800..2871, 2959..3024		

Seq. No.	56892	Seq. ID	OJ000113_04.0426.C12
Gene No.	119014	Strand	-
Start	1940	End	3261
Name	OJ000113_04.0426.C12.o1.tm	Method	TBLASTX:Maize
Start	2787	End	3230
GI	none	Score	109
Exons	2787..2900, 2787..2915, 2958..3083, 2958..3080, 2959..3087, 2959..3084, 3186..3230, 3191..3229, 3192..3230		

Seq. No.	56893	Seq. ID	OJ000113_04.0426.C13
Gene No.	119015	Strand	-
Start	2348	End	6964
Name	OJ000113_04.0426.C13.o2.gs	Method	GENSCAN
Start	2348	End	6964
GI	none	Score	.64
Exons	2348..2412, 5792..6072, 6129..6301, 6320..6964		

Seq. No.	56893	Seq. ID	OJ000113_04.0426.C13
Gene No.	119015	Strand	-
Start	2348	End	6964
Name	OJ000113_04.0426.C13.o1.np	Method	AAT/NAP
Start	5736	End	6964
GI	4056460	Score	317
Exons	5736..6964		
GI Descrip.	(AC005990) Contains similarity to gb|L26505 Met30p from Saccharomyces cerevisiae. ESTs gb|F14133, gb|T46217, gb|AA404758 and gb|Z37647 come from this gene. [Arabidopsis thaliana]		

Seq. No.	56893	Seq. ID	OJ000113_04.0426.C13
Gene No.	119016	Strand	-
Start	7735	End	8250
Name	OJ000113_04.0426.C13.o1.tm	Method	TBLASTX:Maize
Start	5342	End	6488
GI	none	Score	35
Exons	5342..5377, 5475..5504, 5476..5508, 5520..5666, 5523..5666, 5528..5680, 5676..6077, 5735..5779, 5819..5911, 5821..6024, 5822..6121, 5826..6077, 5957..6145, 6131..6196, 6131..6208, 6132..6209, 6132..6209, 6167..6487, 6171..6488		

Seq. No.	56893	Seq. ID	OJ000113_04.0426.C13
Gene No.	119016	Strand	-
Start	7735	End	8250
Name	OJ000113_04.0426.C13.o1.ts	Method	TBLASTX:Soybean
Start	5785	End	6041
GI	none	Score	100
Exons	5785..5961, 5787..6041		

Seq. No.	56893	Seq. ID	OJ000113_04.0426.C13
Gene No.	119016	Strand	-
Start	7735	End	8250
Name	OJ000113_04.0426.C13.o1.tc	Method	TBLASTX:Cress

Start	5826	End	6071
GI	none	Score	81
Exons	5826..6044, 5826..6071		

Seq. No.	56893	Seq. ID	OJ000113_04.0426.C13
Gene No.	119016	Strand	-
Start	7735	End	8250
Name	OJ000113_04.0426.C13.o1.tw	Method	TBLASTX:Wheat
Start	5835	End	6196
GI	none	Score	265
Exons	5835..6077, 5835..6077, 5836..6141, 5866..6129, 6137..6196, 6138..6191		

Seq. No.	56893	Seq. ID	OJ000113_04.0426.C13
Gene No.	119016	Strand	-
Start	7735	End	8250
Name	OJ000113_04.0426.C13.o2.tm	Method	TBLASTX:Maize
Start	6711	End	6998
GI	none	Score	144
Exons	6711..6929, 6725..6937, 6923..6967, 6927..6998		

Seq. No.	56893	Seq. ID	OJ000113_04.0426.C13
Gene No.	119016	Strand	-
Start	7735	End	8250
Name	OJ000113_04.0426.C13.o3.gs	Method	GENSCAN
Start	7735	End	8250
GI	none	Score	.83
Exons	7735..7789, 8183..8250		

Seq. No.	56894	Seq. ID	OJ000113_04.0426.C14
Gene No.	119017	Strand	-
Start	1796	End	3892
Name	OJ000113_04.0426.C14.o2.gs	Method	GENSCAN
Start	1796	End	3575
GI	none	Score	.85
Exons	1796..2238, 2250..2450, 2959..3035, 3318..3391, 3487..3575		

Seq. No.	56894	Seq. ID	OJ000113_04.0426.C14
Gene No.	119017	Strand	-
Start	1796	End	3892
Name	OJ000113_04.0426.C14.o1.np	Method	AAT/NAP
Start	1799	End	3889
GI	2129537	Score	601
Exons	1799..1991, 2221..2450, 2959..3035, 3146..3196, 3318..3391, 3487..3584, 3804..3889		
GI Descrip.	AP2 domain-containing protein - Arabidopsis thaliana gi|1209099 (U40256) AINTEGUMENTA [Arabidopsis thaliana] gi|1244708 (U41339) ANT [Arabidopsis thaliana] gi|4490720|emb|CAB38923.1| (AL035709) ovule development protein aintegumenta (ANT) [Arabidopsis thaliana]		

Seq. No.	56894	Seq. ID	OJ000113_04.0426.C14
Gene No.	119017	Strand	-
Start	1796	End	3892
Name	OJ000113_04.0426.C14.o1.tc	Method	TBLASTX:Cress
Start	2302	End	3892
GI	none	Score	118

Exons	2302..2472, 2303..2452, 2948..3037, 2949..3038, 3145..3198, 3146..3199, 3308..3388, 3318..3350, 3490..3579, 3805..3891, 3806..3892		
Seq. No.	56894	Seq. ID	OJ000113_04.0426.C14
Gene No.	119017	Strand	-
Start	1796	End	3892
Name	OJ000113_04:0426.C14.o1.ts	Method	TBLASTX:Soybean
Start	2317	End	3891
GI	none	Score	76
Exons	2317..2451, 2317..2472, 2356..2424, 2948..3037, 2949..3038, 3145..3198, 3146..3199, 3308..3391, 3484..3579, 3805..3891, 3806..3886		
Seq. No.	56894	Seq. ID	OJ000113_04.0426.C14
Gene No.	119017	Strand	-
Start	1796	End	3892
Name	OJ000113_04.0426.C14.o1.tm	Method	TBLASTX:Maize
Start	2359	End	3579
GI	none	Score	84
Exons	2359..2469, 2948..3037, 2964..3038, 3145..3198, 3308..3391, 3484..3579, 3484..3579		
Seq. No.	56895	Seq. ID	OJ000113_04.0426.C15
Gene No.	119018	Strand	-
Start	1	End	8234
Name	OJ000113_04.0426.C15.o1.np	Method	AAT/NAP
Start	1	End	1024
GI	1171429	Score	153
Exons	1..598, 655..787, 877..1024		
GI Descrip.	(U44028) CKC [Arabidopsis thaliana]		
Seq. No.	56895	Seq. ID	OJ000113_04.0426.C15
Gene No.	119018	Strand	-
Start	1	End	8234
Name	OJ000113_04.0426.C15.o1.gs	Method	GENSCAN
Start	33	End	8234
GI	none	Score	.56
Exons	33..573, 655..792, 975..1173, 2512..2596, 5216..5319, 5646..5803, 6622..6695, 7570..7686, 7691..7739, 7986..8087, 8165..8234		
Seq. No.	56896	Seq. ID	OJ000113_04.0426.C16
Gene No.	119019	Strand	+
Start	188	End	580
Name	OJ000113_04.0426.C16.o1.gs	Method	GENSCAN
Start	188	End	580
GI	none	Score	.55
Exons	188..394, 435..580		
Seq. No.	56897	Seq. ID	OJ000113_04.0426.C17
Gene No.	119020	Strand	+
Start	5960	End	9351
Name	OJ000113_04.0426.C17.o2.np	Method	AAT/NAP
Start	5960	End	9351
GI	6958206	Score	22
Exons	5960..6284, 7757..7811, 9307..9351		

GI Descrip. (AF093132) kexin-like protease KEX1 [Pneumocystis carinii f. sp. muris]

Seq. No.	56897	Seq. ID	OJ000113_04.0426.C17
Gene No.	119021	Strand	-
Start	5457	End	9351
Name	OJ000113_04.0426.C17.o1.np	Method	AAT/NAP
Start	5457	End	9351
GI	6069646	Score	461
Exons	5457..6476, 9330..9351		

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	56897	Seq. ID	OJ000113_04.0426.C17
Gene No.	119021	Strand	-
Start	5457	End	9351
Name	OJ000113_04.0426.C17.o1.tm	Method	TBLASTX:Maize
Start	5550	End	6099
GI	none	Score	102
Exons	5550..5651, 5701..5931, 5950..6099		

Seq. No.	56897	Seq. ID	OJ000113_04.0426.C17
Gene No.	119021	Strand	-
Start	5457	End	9351
Name	OJ000113_04.0426.C17.o1.tw	Method	TBLASTX:Wheat
Start	5734	End	5922
GI	none	Score	186
Exons	5734..5922		

Seq. No.	56898	Seq. ID	OJ000113_04.0426.C18
Gene No.	119022	Strand	+
Start	620	End	3924
Name	OJ000113_04.0426.C18.o1.gs	Method	GENSCAN
Start	620	End	3924
GI	none	Score	.6
Exons	620..690, 936..1083, 1207..1261, 1723..1783, 2918..3026, 3796..3924		

Seq. No.	56898	Seq. ID	OJ000113_04.0426.C18
Gene No.	119022	Strand	+
Start	620	End	3924
Name	OJ000113_04.0426.C18.o1.np	Method	AAT/NAP
Start	976	End	1395
GI	3445203	Score	96
Exons	976..1140, 1298..1395		

GI Descrip. (AC004786) unknown protein [Arabidopsis thaliana]

Seq. No.	56898	Seq. ID	OJ000113_04.0426.C18
Gene No.	119023	Strand	+
Start	5457	End	6935
Name	OJ000113_04.0426.C18.o2.gs	Method	GENSCAN
Start	5457	End	5963
GI	none	Score	.9
Exons	5457..5963		

Seq. No.	56898	Seq. ID	OJ000113_04.0426.C18
Gene No.	119023	Strand	+
Start	5457	End	6935
Name	OJ000113_04.0426.C18.o1.ts	Method	TBLASTX:Soybean
Start	5670	End	5963
GI	none	Score	44
Exons	5670..5717, 5739..5825, 5750..5824, 5798..5953, 5799..5954, 5829..5963		

Seq. No.	56898	Seq. ID	OJ000113_04.0426.C18
Gene No.	119023	Strand	+
Start	5457	End	6935
Name	OJ000113_04.0426.C18.o1.tm	Method	TBLASTX:Maize
Start	5721	End	6827
GI	none	Score	218
Exons	5721..5954, 5777..5953, 5836..5976, 6752..6826, 6753..6827		

Seq. No.	56898	Seq. ID	OJ000113_04.0426.C18
Gene No.	119023	Strand	+
Start	5457	End	6935
Name	OJ000113_04.0426.C18.o2.np	Method	AAT/NAP
Start	5736	End	6827
GI	6226480	Score	380
Exons	5736..5952, 6754..6827		
GI Descrip.	HYPOTHETIC GTP-BINDING PROTEIN T20K9.8 gi|3445204|gb|AAC32434.1| (AC004786) putative nucleotide-binding protein [Arabidopsis thaliana]		

Seq. No.	56898	Seq. ID	OJ000113_04.0426.C18
Gene No.	119023	Strand	+
Start	5457	End	6935
Name	OJ000113_04.0426.C18.o1.gp	Method	AAT/GAP
Start	6715	End	6935
GI	uC-osf1M202123a09b1	Score	418
Exons	6715..6935		
GI Descrip.	'3445196/gb|AC004786.1|ATAC004786 6.0e-10 Arabidopsis thaliana chromosome II BAC T20K9 genomic sequence, complete sequence'		

Seq. No.	56899	Seq. ID	OJ000113_04.0426.C19
Gene No.	119024	Strand	+
Start	1	End	117
Name	OJ000113_04.0426.C19.o1.gp	Method	AAT/GAP
Start	1	End	117
GI	uC-osf1M202123a09b1	Score	230
Exons	1..117		
GI Descrip.	'3445196/gb|AC004786.1|ATAC004786 6.0e-10 Arabidopsis thaliana chromosome II BAC T20K9 genomic sequence, complete sequence'		

Seq. No.	56899	Seq. ID	OJ000113_04.0426.C19
Gene No.	119025	Strand	+
Start	567	End	4032
Name	OJ000113_04.0426.C19.o1.np	Method	AAT/NAP
Start	567	End	1047
GI	6226480	Score	414
Exons	567..729, 842..1047		
GI Descrip.	HYPOTHETIC GTP-BINDING PROTEIN T20K9.8 gi|3445204|gb|AAC32434.1|		

(AC004786) putative nucleotide-binding protein [Arabidopsis thaliana]

Seq. No.	56899	Seq. ID	OJ000113_04.0426.C19
Gene No.	119025	Strand	+
Start	567	End	4032
Name	OJ000113_04.0426.C19.o2.gp	Method	AAT/GAP
Start	597	End	1144
GI	LIB3432-014-P1-K1-C4	Score	813
Exons	597..729, 842..1144		
GI Descrip.	'3445204/gb|AAC32434.1| 2.0e-45 (AC004786) putative GTP-binding protein [Arabidopsis thaliana]'		

Seq. No.	56899	Seq. ID	OJ000113_04.0426.C19
Gene No.	119025	Strand	+
Start	567	End	4032
Name	OJ000113_04.0426.C19.o1.gs	Method	GENSCAN
Start	599	End	4032
GI	none	Score	.53
Exons	599..729, 842..977, 1732..1817, 2425..2588, 3412..3816, 3963..4032		

Seq. No.	56899	Seq. ID	OJ000113_04.0426.C19
Gene No.	119026	Strand	-
Start	1081	End	1500
Name	OJ000113_04.0426.C19.o3.gp	Method	AAT/GAP
Start	1081	End	1500
GI	uC-osflM202074d11a1	Score	427
Exons	1081..1276, 1362..1500		
GI Descrip.	'6041855/gb|AAF02164.1|AC009853_24 3.0e-22 (AC009853) unknown protein [Arabidopsis thaliana]'		

Seq. No.	56899	Seq. ID	OJ000113_04.0426.C19
Gene No.	119027	Strand	-
Start	4463	End	5308
Name	OJ000113_04.0426.C19.o1.tm	Method	TBLASTX:Maize
Start	567	End	898
GI	none	Score	71
Exons	567..728, 568..732, 591..731, 839..898, 856..897		

Seq. No.	56899	Seq. ID	OJ000113_04.0426.C19
Gene No.	119027	Strand	-
Start	4463	End	5308
Name	OJ000113_04.0426.C19.o1.tc	Method	TBLASTX:Cress
Start	616	End	1036
GI	none	Score	85
Exons	616..681, 691..732, 839..898, 875..1036, 901..1035		

Seq. No.	56899	Seq. ID	OJ000113_04.0426.C19
Gene No.	119027	Strand	-
Start	4463	End	5308
Name	OJ000113_04.0426.C19.o1.ts	Method	TBLASTX:Soybean
Start	667	End	1036
GI	none	Score	78
Exons	667..732, 839..898, 875..988, 892..987, 991..1035, 995..1036		

Seq. No.	56899	Seq. ID	OJ000113_04.0426.C19

Gene No.	119027	Strand	-
Start	4463	End	5308
Name	OJ000113_04.0426.C19.o2.gs	Method	GENSCAN
Start	4463	End	5305
GI	none	Score	.97
Exons	4463..4515, 4804..4933, 5168..5305		

Seq. No.	56899	Seq. ID	OJ000113_04.0426.C19
Gene No.	119027	Strand	-
Start	4463	End	5308
Name	OJ000113_04.0426.C19.o2.np	Method	AAT/NAP
Start	5192	End	5308
GI	7486518	Score	84
Exons	5192..5308		
GI Descrip.	hypothetical protein F6H11.10 - Arabidopsis thaliana gi|2827699|emb|CAA16672.1| (AL021684) predicted protein [Arabidopsis thaliana]		

Seq. No.	56900	Seq. ID	OJ000113_04.0426.C20
Gene No.	119028	Strand	+
Start	397	End	582
Name	OJ000113_04.0426.C20.o1.gs	Method	GENSCAN
Start	397	End	582
GI	none	Score	.89
Exons	397..582		

Seq. No.	56901	Seq. ID	OJ000113_04.0426.C23
Gene No.	119029	Strand	-
Start	1	End	1138
Name	OJ000113_04.0426.C23.o1.np	Method	AAT/NAP
Start	1	End	1138
GI	6006359	Score	64
Exons	1..57, 660..768, 1113..1138		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	56901	Seq. ID	OJ000113_04.0426.C23
Gene No.	119029	Strand	-
Start	1	End	1138
Name	OJ000113_04.0426.C23.o1.gs	Method	GENSCAN
Start	603	End	830
GI	none	Score	.88
Exons	603..830		

Seq. No.	56902	Seq. ID	OJ000113_04.0426.C25
Gene No.	119030	Strand	+
Start	1	End	356
Name	OJ000113_04.0426.C25.o1.np	Method	AAT/NAP
Start	1	End	356
GI	7488348	Score	213
Exons	1..72, 237..356		
GI Descrip.	squalene monooxygenase (EC 1.14.99.7) - Arabidopsis thaliana gi|4490721|emb|CAB38924.1| (AL035709) squalene epoxidase-like protein [Arabidopsis thaliana] gi|7270759|emb|CAB80441.1| (AL161592) squalene epoxidase-like protein [Arabidopsis thaliana]		

Seq. No.	56902	Seq. ID	OJ000113_04.0426.C25

Gene No.	119030	Strand	+
Start	1	End	356
Name	OJ000113_04.0426.C25.o1.gs	Method	GENSCAN
Start	19	End	344
GI	none	Score	.93
Exons	19..72, 237..344		

Seq. No.	56903	Seq. ID	OJ000103_07.0426.C1
Gene No.	119031	Strand	+
Start	3043	End	3425
Name	OJ000103_07.0426.C1.o2.np	Method	AAT/NAP
Start	3043	End	3425
GI	7242910	Score	72
Exons	3043..3177, 3339..3425		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	56903	Seq. ID	OJ000103_07.0426.C1
Gene No.	119032	Strand	-
Start	2703	End	4056
Name	OJ000103_07.0426.C1.o1.np	Method	AAT/NAP
Start	2703	End	4056
GI	6815067	Score	66
Exons	2703..2822, 3665..4056		
GI Descrip.	(AP001080) ESTs AU082210(C53655),AU056546(S20671), AU056545(S20671) correspond to a region of the predicted gene.; Similar to putative RNA-binding protein (AC004261) [Oryza sativa]		

Seq. No.	56903	Seq. ID	OJ000103_07.0426.C1
Gene No.	119033	Strand	-
Start	5847	End	6097
Name	OJ000103_07.0426.C1.o1.ts	Method	TBLASTX:Soybean
Start	4612	End	6097
GI	none	Score	188
Exons	4612..4857, 4713..4862, 5846..6097, 5849..6037		

Seq. No.	56903	Seq. ID	OJ000103_07.0426.C1
Gene No.	119033	Strand	-
Start	5847	End	6097
Name	OJ000103_07.0426.C1.o1.gp	Method	AAT/GAP
Start	5847	End	6030
GI	LIB3433-007-Q6-K1-C2	Score	321
Exons	5847..6030		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	56903	Seq. ID	OJ000103_07.0426.C1
Gene No.	119033	Strand	-
Start	5847	End	6097
Name	OJ000103_07.0426.C1.o1.tc	Method	TBLASTX:Cress
Start	5855	End	6034
GI	none	Score	183
Exons	5855..6034, 5860..6033, 5875..6006		

Seq. No.	56904	Seq. ID	OJ000103_07.0426.C2
Gene No.	119034	Strand	+
Start	711	End	1061

Name	OJ000103_07.0426.C2.o1.gp	Method	AAT/GAP
Start	711	End	1061
GI	2775_1.R1084	Score	563
Exons	711..1061		
GI Descrip.	'4585576/gb|AAD25541.1|AF134051_1 2.0e-12 (AF134051) fructose-1,6-bisphosphatase precursor [Solanum tuberosum]'		

Seq. No.	56905	Seq. ID	OJ000103_07.0426.C3
Gene No.	119035	Strand	+
Start	1	End	75
Name	OJ000103_07.0426.C3.o1.gp	Method	AAT/GAP
Start	1	End	75
GI	2775_1.R1084	Score	110
Exons	1..75		
GI Descrip.	'4585576/gb|AAD25541.1|AF134051_1 2.0e-12 (AF134051) fructose-1,6-bisphosphatase precursor [Solanum tuberosum]'		

Seq. No.	56905	Seq. ID	OJ000103_07.0426.C3
Gene No.	119036	Strand	-
Start	1	End	3432
Name	OJ000103_07.0426.C3.o1.np	Method	AAT/NAP
Start	1	End	3432
GI	7488420	Score	1024
Exons	1..115, 383..514, 685..748, 832..914, 1037..1118, 1229..1305, 1409..1492, 1687..1756, 1933..2021, 2926..3147, 3408..3432		
GI Descrip.	vacuolar sorting receptor protein homolog F18F4.210 - Arabidopsis thaliana gi|2827665|emb|CAA16619.1| (AL021637) vacuolar sorting receptor-like protein [Arabidopsis thaliana] gi|7268806|emb|CAB79011.1| (AL161552) vacuolar sorting receptor-like protein [Arabidopsis thaliana]		

Seq. No.	56905	Seq. ID	OJ000103_07.0426.C3
Gene No.	119036	Strand	-
Start	1	End	3432
Name	OJ000103_07.0426.C3.o2.gp	Method	AAT/GAP
Start	1	End	530
GI	LIB3431-048-P1-K1-B1	Score	304
Exons	1..115, 383..530		
GI Descrip.	'3252813 9.0e-18 (AC004705) vacuolar sorting receptor-like protein [Arabidopsis thaliana] >gi_3810586 (AC005398) vacuolar sorting receptor-like protein [Arabidopsis thaliana]'		

Seq. No.	56905	Seq. ID	OJ000103_07.0426.C3
Gene No.	119036	Strand	-
Start	1	End	3432
Name	OJ000103_07.0426.C3.o1.ts	Method	TBLASTX:Soybean
Start	12	End	3146
GI	none	Score	86
Exons	12..110, 382..504, 384..512, 421..522, 698..748, 830..916, 832..915, 1038..1121, 1054..1119, 1227..1334, 1229..1306, 1413..1505, 1414..1506, 1677..1757, 1679..1759, 1930..1998, 1943..2065, 2927..3145, 2940..3146		

Seq. No.	56905	Seq. ID	OJ000103_07.0426.C3
Gene No.	119036	Strand	-
Start	1	End	3432
Name	OJ000103_07.0426.C3.o1.tw	Method	TBLASTX:Wheat

Start	12	End	916
GI	none	Score	95
Exons	12..116, 12..116, 369..512, 370..522, 388..513, 686..748, 687..749, 826..915, 827..916		

Seq. No.	56905	Seq. ID	OJ000103_07.0426.C3
Gene No.	119036	Strand	-
Start	1	End	3432
Name	OJ000103_07.0426.C3.o1.tc	Method	TBLASTX:Cress
Start	361	End	3146
GI	none	Score	112
Exons	361..513, 369..512, 692..730, 693..731, 827..910, 835..909, 1038..1121, 1054..1119, 1227..1322, 1229..1321, 1411..1500, 1413..1493, 1679..1759, 1930..1998, 1931..2029, 2924..3145, 2925..3146		

Seq. No.	56905	Seq. ID	OJ000103_07.0426.C3
Gene No.	119036	Strand	-
Start	1	End	3432
Name	OJ000103_07.0426.C3.o3.tm	Method	TBLASTX:Maize
Start	382	End	1768
GI	none	Score	73
Exons	382..504, 384..512, 385..513, 1410..1493, 1414..1500, 1679..1759, 1721..1768		

Seq. No.	56905	Seq. ID	OJ000103_07.0426.C3
Gene No.	119036	Strand	-
Start	1	End	3432
Name	OJ000103_07.0426.C3.o1.gs	Method	GENSCAN
Start	383	End	3157
GI	none	Score	.63
Exons	383..511, 685..748, 872..914, 1054..1118, 1229..1305, 1409..1492, 1687..1756, 1933..2021, 2926..3157		

Seq. No.	56905	Seq. ID	OJ000103_07.0426.C3
Gene No.	119036	Strand	-
Start	1	End	3432
Name	OJ000103_07.0426.C3.o2.tm	Method	TBLASTX:Maize
Start	713	End	1307
GI	none	Score	65
Exons	713..748, 714..755, 826..915, 827..916, 1032..1121, 1037..1120, 1049..1123, 1228..1302, 1228..1302, 1229..1306, 1233..1307		

Seq. No.	56905	Seq. ID	OJ000103_07.0426.C3
Gene No.	119036	Strand	-
Start	1	End	3432
Name	OJ000103_07.0426.C3.o3.gp	Method	AAT/GAP
Start	1988	End	3147
GI	27513_1.R1084	Score	466
Exons	1988..2021, 2926..3147		
GI Descrip.	'4982499/gb|AAD36959.1|AC000107_5 9.0e-83 (AC000107) F17F8.5 [Arabidopsis thaliana]'		

Seq. No.	56905	Seq. ID	OJ000103_07.0426.C3
Gene No.	119036	Strand	-
Start	1	End	3432
Name	OJ000103_07.0426.C3.o1.tm	Method	TBLASTX:Maize

Start	2924	End	3146
GI	none	Score	220
Exons	2924..3145, 2925..3146		

Seq. No.	56906	Seq. ID	OJ000103_07.0426.C4
Gene No.	119037	Strand	-
Start	536	End	3370
Name	OJ000103_07.0426.C4.o1.gs	Method	GENSCAN
Start	536	End	2951
GI	none	Score	.83
Exons	536..1080, 2633..2951		

Seq. No.	56906	Seq. ID	OJ000103_07.0426.C4
Gene No.	119037	Strand	-
Start	536	End	3370
Name	OJ000103_07.0426.C4.o1.np	Method	AAT/NAP
Start	587	End	2927
GI	4982499	Score	741
Exons	587..1080, 2633..2927		
GI Descrip.	(AC000107) F17F8.5 [Arabidopsis thaliana]		

Seq. No.	56906	Seq. ID	OJ000103_07.0426.C4
Gene No.	119037	Strand	-
Start	536	End	3370
Name	OJ000103_07.0426.C4.o1.gp	Method	AAT/GAP
Start	590	End	867
GI	27513_1.R1084	Score	518
Exons	590..867		
GI Descrip.	'4982499/gb|AAD36959.1|AC000107_5 9.0e-83 (AC000107) F17F8.5 [Arabidopsis thaliana]'		

Seq. No.	56906	Seq. ID	OJ000103_07.0426.C4
Gene No.	119037	Strand	-
Start	536	End	3370
Name	OJ000103_07.0426.C4.o2.gp	Method	AAT/GAP
Start	1012	End	3370
GI	43983_1.R1084	Score	1557
Exons	1012..1080, 2633..3370		
GI Descrip.	'4585576/gb|AAD25541.1|AF134051_1 2.0e-12 (AF134051) fructose-1,6-bisphosphatase precursor [Solanum tuberosum]'		

Seq. No.	56906	Seq. ID	OJ000103_07.0426.C4
Gene No.	119038	Strand	-
Start	3739	End	4359
Name	OJ000103_07.0426.C4.o1.tm	Method	TBLASTX:Maize
Start	587	End	988
GI	none	Score	61
Exons	587..739, 590..838, 591..818, 893..988		

Seq. No.	56906	Seq. ID	OJ000103_07.0426.C4
Gene No.	119038	Strand	-
Start	3739	End	4359
Name	OJ000103_07.0426.C4.o1.tc	Method	TBLASTX:Cress
Start	590	End	2840
GI	none	Score	152
Exons	590..838, 591..818, 890..976, 971..1081, 2691..2840		

Seq. No.	56906	Seq. ID	OJ000103_07.0426.C4
Gene No.	119038	Strand	-
Start	3739	End	4359
Name	OJ000103_07.0426.C4.o1.ts	Method	TBLASTX:Soybean
Start	590	End	2789
GI	none	Score	182
Exons	590..838, 591..818, 893..976,	971..1078, 2688..2789	

Seq. No.	56906	Seq. ID	OJ000103_07.0426.C4
Gene No.	119038	Strand	-
Start	3739	End	4359
Name	OJ000103_07.0426.C4.o2.tm	Method	TBLASTX:Maize
Start	2664	End	2852
GI	none	Score	191
Exons	2664..2852		

Seq. No.	56906	Seq. ID	OJ000103_07.0426.C4
Gene No.	119038	Strand	-
Start	3739	End	4359
Name	OJ000103_07.0426.C4.o2.gs	Method	GENSCAN
Start	3739	End	4359
GI	none	Score	.86
Exons	3739..3849, 3890..3994, 4270..	4359	

Seq. No.	56907	Seq. ID	OJ000103_07.0426.C5
Gene No.	119039	Strand	+
Start	1	End	2174
Name	OJ000103_07.0426.C5.o1.gp	Method	AAT/GAP
Start	1	End	695
GI	4968854	Score	481
Exons	1..29, 446..695		
GI Descrip.	4585576/gb|AAD25541.1|AF134051_1 2.0e-12 (AF134051) fructose-1,6-bisphosphatase precursor [Solanum tuberosum]		

Seq. No.	56907	Seq. ID	OJ000103_07.0426.C5
Gene No.	119039	Strand	+
Start	1	End	2174
Name	OJ000103_07.0426.C5.o1.np	Method	AAT/NAP
Start	1	End	1522
GI	585118	Score	529
Exons	1..29, 446..842, 1158..1522		
GI Descrip.	FRUCTOSE-1,6-BISPHOSPHATASE, CHLOROPLAST PRECURSOR (D-FRUCTOSE-1,6-BISPHOSPHATE 1-PHOSPHOHYDROLASE) (FBPASE) gi|289367 (L15303) fructose-1,6-bisphosphate [Brassica napus]		

Seq. No.	56907	Seq. ID	OJ000103_07.0426.C5
Gene No.	119039	Strand	+
Start	1	End	2174
Name	OJ000103_07.0426.C5.o2.tm	Method	TBLASTX:Maize
Start	441	End	676
GI	none	Score	133
Exons	441..599, 442..618, 445..621,	446..676	

Seq. No.	56907	Seq. ID	OJ000103_07.0426.C5
Gene No.	119039	Strand	+
Start	1	End	2174
Name	OJ000103_07.0426.C5.o2.tc	Method	TBLASTX:Cress

Start	445	End	772
GI	none	Score	64
Exons	445..510, 446..496, 467..589, 478..588, 547..621, 629..772, 629..748		

Seq. No.	56907	Seq. ID	OJ000103_07.0426.C5
Gene No.	119039	Strand	+
Start	1	End	2174
Name	OJ000103_07.0426.C5.o1.ts	Method	TBLASTX:Soybean
Start	446	End	1504
GI	none	Score	65
Exons	446..529, 545..628, 550..624, 659..844, 1157..1234, 1244..1345, 1256..1348, 1349..1420, 1372..1419, 1427..1504		

Seq. No.	56907	Seq. ID	OJ000103_07.0426.C5
Gene No.	119039	Strand	+
Start	1	End	2174
Name	OJ000103_07.0426.C5.o1.gs	Method	GENSCAN
Start	494	End	2174
GI	none	Score	.56
Exons	494..842, 1158..1552, 1575..1746, 1850..1963, 2083..2174		

Seq. No.	56907	Seq. ID	OJ000103_07.0426.C5
Gene No.	119039	Strand	+
Start	1	End	2174
Name	OJ000103_07.0426.C5.o2.gp	Method	AAT/GAP
Start	780	End	1511
GI	LIB3432-014-P1-K1-B7	Score	787
Exons	780..842, 1158..1511		
GI Descrip.	'67243/pir||PASPC 7.0e-38 fructose-bisphosphatase (EC 3.1.3.11), chloroplast - spinach >gi_999621_pdb_1SPI_A Spinacia oleracea >gi_999622_pdb_1SPI_B Spinacia oleracea >gi_999623_pdb_1SPI_C Spinacia oleracea >gi_999624_pdb_1SPI_D Spinacia oleracea'		

Seq. No.	56907	Seq. ID	OJ000103_07.0426.C5
Gene No.	119039	Strand	+
Start	1	End	2174
Name	OJ000103_07.0426.C5.o1.tc	Method	TBLASTX:Cress
Start	1150	End	1565
GI	none	Score	633
Exons	1150..1464, 1157..1558, 1157..1555, 1173..1562, 1293..1565		

Seq. No.	56907	Seq. ID	OJ000103_07.0426.C5
Gene No.	119039	Strand	+
Start	1	End	2174
Name	OJ000103_07.0426.C5.o1.tm	Method	TBLASTX:Maize
Start	1250	End	1602
GI	none	Score	535
Exons	1250..1567, 1250..1567, 1522..1602		

Seq. No.	56908	Seq. ID	OJ000103_07.0426.C6
Gene No.	119040	Strand	+
Start	101	End	4469
Name	OJ000103_07.0426.C6.o1.gs	Method	GENSCAN
Start	101	End	3370
GI	none	Score	.76
Exons	101..220, 390..453, 1062..1201, 1852..2136, 2259..2381,		

2437..2748, 3070..3156, 3299..3370

Seq. No.	56908	Seq. ID	OJ000103_07.0426.C6
Gene No.	119040	Strand	+
Start	101	End	4469
Name	OJ000103_07.0426.C6.o2.tm	Method	TBLASTX:Maize
Start	110	End	2058
GI	none	Score	131
Exons	110..220, 169..219, 357..464, 387..464, 1009..1095, 1061..1096, 1081..1212, 1100..1201, 1100..1213, 1101..1202, 1854..1898, 1858..1896, 1863..1898, 1895..1939, 1897..1941, 1930..2058, 1941..2057		

Seq. No.	56908	Seq. ID	OJ000103_07.0426.C6
Gene No.	119040	Strand	+
Start	101	End	4469
Name	OJ000103_07.0426.C6.o1.tc	Method	TBLASTX:Cress
Start	137	End	2001
GI	none	Score	100
Exons	137..220, 387..464, 389..454, 1060..1200, 1061..1201, 1854..1940, 1861..2001		

Seq. No.	56908	Seq. ID	OJ000103_07.0426.C6
Gene No.	119040	Strand	+
Start	101	End	4469
Name	OJ000103_07.0426.C6.o2.ts	Method	TBLASTX:Soybean
Start	149	End	1965
GI	none	Score	85
Exons	149..217, 389..454, 390..464, 1060..1200, 1061..1201, 1863..1952, 1864..1965		

Seq. No.	56908	Seq. ID	OJ000103_07.0426.C6
Gene No.	119040	Strand	+
Start	101	End	4469
Name	OJ000103_07.0426.C6.o1.np	Method	AAT/NAP
Start	161	End	4469
GI	4006893	Score	915
Exons	161..220, 390..453, 1062..1201, 1852..2136, 2259..2381, 2494..2748, 3070..3156, 3299..3361, 4366..4469		
GI Descrip.	(Z99708) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	56908	Seq. ID	OJ000103_07.0426.C6
Gene No.	119040	Strand	+
Start	101	End	4469
Name	OJ000103_07.0426.C6.o1.ts	Method	TBLASTX:Soybean
Start	1969	End	3367
GI	none	Score	169
Exons	1969..2139, 1971..2147, 2241..2384, 2250..2381, 2488..2583, 2629..2748, 2661..2747, 3024..3146, 3038..3145, 3051..3152, 3064..3159, 3067..3156, 3275..3364, 3296..3367		

Seq. No.	56908	Seq. ID	OJ000103_07.0426.C6
Gene No.	119040	Strand	+
Start	101	End	4469
Name	OJ000103_07.0426.C6.o1.tm	Method	TBLASTX:Maize
Start	2112	End	3367
GI	none	Score	37

Exons 2112..2144, 2244..2384, 2257..2391, 2259..2384, 2281..2391, 2487..2582, 2488..2592, 2488..2592, 2492..2596, 2493..2597, 2623..2748, 2633..2743, 3051..3152, 3064..3168, 3067..3156, 3296..3367, 3298..3363

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7
Gene No.	119041	Strand	+
Start	1	End	3358
Name	OJ000103_07.0426.C7.o1.np	Method	AAT/NAP
Start	1	End	3060
GI	4006893	Score	850

Exons 1..51, 546..680, 764..844, 1473..1527, 2064..2168, 2274..2345, 2496..2620, 2896..3060

GI Descrip. (Z99708) aminopeptidase-like protein [Arabidopsis thaliana]

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7
Gene No.	119041	Strand	+
Start	1	End	3358
Name	OJ000103_07.0426.C7.o1.gs	Method	GENSCAN
Start	546	End	3063
GI	none	Score	.94

Exons 546..680, 764..844, 1473..1527, 2064..2168, 2274..2345, 2496..2620, 2896..3063

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7
Gene No.	119041	Strand	+
Start	1	End	3358
Name	OJ000103_07.0426.C7.o1.gp	Method	AAT/GAP
Start	1473	End	2567
GI	17990_1.R1084	Score	449

Exons 1473..1527, 2064..2168, 2274..2345, 2496..2567

GI Descrip. '4006893/emb|CAB16823.1| 1.0e-100 (Z99708) aminopeptidase-like protein [Arabidopsis thaliana]'

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7
Gene No.	119041	Strand	+
Start	1	End	3358
Name	OJ000103_07.0426.C7.o2.gp	Method	AAT/GAP
Start	2050	End	3208
GI	17990_1.R1084	Score	860

Exons 2050..2168, 2274..2345, 2496..2620, 2896..3208

GI Descrip. '4006893/emb|CAB16823.1| 1.0e-100 (Z99708) aminopeptidase-like protein [Arabidopsis thaliana]'

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7
Gene No.	119041	Strand	+
Start	1	End	3358
Name	OJ000103_07.0426.C7.o3.gp	Method	AAT/GAP
Start	2063	End	3358
GI	17990_1.R1084	Score	948

Exons 2063..2168, 2274..2345, 2496..2620, 2896..3358

GI Descrip. '4006893/emb|CAB16823.1| 1.0e-100 (Z99708) aminopeptidase-like protein [Arabidopsis thaliana]'

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7
Gene No.	119041	Strand	+
Start	1	End	3358

Name	OJ000103_07.0426.C7.o4.gp	Method	AAT/GAP
Start	3036	End	3324
GI	none	Score	570
Exons	3036..3324		

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7
Gene No.	119042	Strand	+
Start	5182	End	5578
Name	OJ000103_07.0426.C7.o5.gp	Method	AAT/GAP
Start	5182	End	5578
GI	none	Score	496
Exons	5182..5578		

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7
Gene No.	119043	Strand	+
Start	6708	End	6998
Name	OJ000103_07.0426.C7.o6.gp	Method	AAT/GAP
Start	6708	End	6998
GI	1037022	Score	552
Exons	6708..6998		

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7
Gene No.	119044	Strand	+
Start	8166	End	8335
Name	OJ000103_07.0426.C7.o7.gp	Method	AAT/GAP
Start	8166	End	8335
GI	none	Score	222
Exons	8166..8335		

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7
Gene No.	119045	Strand	-
Start	5401	End	8335
Name	OJ000103_07.0426.C7.o2.tc	Method	TBLASTX:Cress
Start	543	End	841
GI	none	Score	204
Exons	543..680, 545..676, 760..786, 761..787, 791..841		

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7
Gene No.	119045	Strand	-
Start	5401	End	8335
Name	OJ000103_07.0426.C7.o2.tm	Method	TBLASTX:Maize
Start	543	End	3072
GI	none	Score	225
Exons	543..680, 543..680, 760..846, 761..847, 1447..1518, 1463..1549, 1472..1528, 1473..1535, 2059..2169, 2060..2170, 2061..2171, 2246..2344, 2272..2343, 2468..2629, 2491..2619, 2499..2621, 2897..3040, 2898..3065, 2898..3056, 2899..3072		

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7
Gene No.	119045	Strand	-
Start	5401	End	8335
Name	OJ000103_07.0426.C7.o2.ts	Method	TBLASTX:Soybean
Start	545	End	898
GI	none	Score	198
Exons	545..682, 546..683, 546..692, 731..874, 748..846, 749..898		

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7

Gene No.	119045	Strand	-
Start	5401	End	8335
Name	OJ000103_07.0426.C7.o4.ts	Method	TBLASTX:Soybean
Start	1473	End	3054
GI	none	Score	75
Exons	1473..1529, 2062..2169, 2063..2170, 2074..2172, 2246..2344, 2272..2343, 2277..2345, 2468..2629, 2491..2616, 2495..2620, 2496..2624, 2898..3053, 2899..3054		

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7
Gene No.	119045	Strand	-
Start	5401	End	8335
Name	OJ000103_07.0426.C7.o3.tm	Method	TBLASTX:Maize
Start	5324	End	5764
GI	none	Score	45
Exons	5324..5350, 5329..5355, 5383..5520, 5384..5500, 5401..5520, 5524..5601, 5524..5559, 5535..5573, 5628..5750, 5633..5740, 5638..5751, 5658..5750, 5663..5764, 5695..5751		

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7
Gene No.	119045	Strand	-
Start	5401	End	8335
Name	OJ000103_07.0426.C7.o2.gs	Method	GENSCAN
Start	5401	End	8284
GI	none	Score	.67
Exons	5401..5568, 5665..5814, 6016..6151, 6259..6338, 6437..6510, 7049..7303, 7767..8284		

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7
Gene No.	119045	Strand	-
Start	5401	End	8335
Name	OJ000103_07.0426.C7.o2.np	Method	AAT/NAP
Start	5404	End	8335
GI	6729024	Score	707
Exons	5404..5568, 5665..5814, 6016..6151, 6423..6591, 7046..7303, 7767..7854, 8050..8335		
GI Descrip.	(AC009177) putative serine/threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7
Gene No.	119045	Strand	-
Start	5401	End	8335
Name	OJ000103_07.0426.C7.o1.ts	Method	TBLASTX:Soybean
Start	5734	End	6577
GI	none	Score	93
Exons	5734..5814, 6011..6142, 6016..6150, 6093..6155, 6258..6341, 6259..6351, 6263..6343, 6434..6484, 6485..6577		

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7
Gene No.	119045	Strand	-
Start	5401	End	8335
Name	OJ000103_07.0426.C7.o1.tc	Method	TBLASTX:Cress
Start	6019	End	7160
GI	none	Score	112
Exons	6019..6150, 6035..6151, 6226..6342, 6235..6339, 6258..6344, 6261..6341, 6434..6592, 6447..6614, 7047..7160, 7048..7155		

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7
Gene No.	119045	Strand	-
Start	5401	End	8335
Name	OJ000103_07.0426.C7.o1.tw	Method	TBLASTX:Wheat
Start	6028	End	6577
GI	none	Score	61
Exons	6028..6150, 6044..6142, 6258..6344, 6434..6511, 6515..6577		

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7
Gene No.	119045	Strand	-
Start	5401	End	8335
Name	OJ000103_07.0426.C7.o1.tm	Method	TBLASTX:Maize
Start	6043	End	6592
GI	none	Score	118
Exons	6043..6147, 6044..6142, 6256..6351, 6258..6341, 6434..6592, 6450..6554		

Seq. No.	56909	Seq. ID	OJ000103_07.0426.C7
Gene No.	119045	Strand	-
Start	5401	End	8335
Name	OJ000103_07.0426.C7.o3.ts	Method	TBLASTX:Soybean
Start	7047	End	7830
GI	none	Score	77
Exons	7047..7202, 7048..7161, 7215..7304, 7227..7301, 7231..7305, 7771..7830		

Seq. No.	56910	Seq. ID	OJ000103_07.0426.C8
Gene No.	119046	Strand	+
Start	1053	End	1182
Name	OJ000103_07.0426.C8.o1.gs	Method	GENSCAN
Start	1053	End	1182
GI	none	Score	.85
Exons	1053..1182		

Seq. No.	56911	Seq. ID	OJ000103_07.0426.C9
Gene No.	119047	Strand	+
Start	5774	End	7920
Name	OJ000103_07.0426.C9.o3.gs	Method	GENSCAN
Start	5774	End	7920
GI	none	Score	.8
Exons	5774..5791, 6175..6289, 6382..6440, 6461..6580, 6931..6987, 7123..7209, 7309..7506, 7627..7920		

Seq. No.	56911	Seq. ID	OJ000103_07.0426.C9
Gene No.	119048	Strand	+
Start	9027	End	16485
Name	OJ000103_07.0426.C9.o1.np	Method	AAT/NAP
Start	9011	End	10072
GI	7428434	Score	183
Exons	9011..9380, 9485..9577, 9732..9758, 9917..10072		
GI Descrip.	FKBP-type peptidyl-prolyl cis-trans isomerase - Synechocystis sp. (strain PCC 6803) gi|1652134|dbj|BAA17058.1| (D90903) FKBP-type peptidyl-prolyl cis-trans isomerase [Synechocystis sp.]		

Seq. No.	56911	Seq. ID	OJ000103_07.0426.C9
Gene No.	119048	Strand	+

Start	9027	End	16485
Name	OJ000103_07.0426.C9.o4.gs	Method	GENSCAN
Start	9027	End	14938
GI	none	Score	.61
Exons	9027..9380, 9485..9577, 9732..9792, 9894..10056, 12331..12465, 12881..13157, 14693..14791, 14885..14938		

Seq. No.	56911	Seq. ID	OJ000103_07.0426.C9
Gene No.	119048	Strand	+
Start	9027	End	16485
Name	OJ000103_07.0426.C9.o1.gp	Method	AAT/GAP
Start	9038	End	9188
GI	none	Score	209
Exons	9038..9188		

Seq. No.	56911	Seq. ID	OJ000103_07.0426.C9
Gene No.	119048	Strand	+
Start	9027	End	16485
Name	OJ000103_07.0426.C9.o2.np	Method	AAT/NAP
Start	12816	End	16337
GI	7486498	Score	557
Exons	12816..13157, 13560..13675, 13921..13960, 14225..14289, 14433..14549, 14663..14791, 14885..14924, 16244..16337		
GI Descrip.	hypothetical protein F6E21.70 - Arabidopsis thaliana gi|7270017|emb|CAB79833.1| (AL161578) putative protein [Arabidopsis thaliana]		

Seq. No.	56911	Seq. ID	OJ000103_07.0426.C9
Gene No.	119048	Strand	+
Start	9027	End	16485
Name	OJ000103_07.0426.C9.o5.gs	Method	GENSCAN
Start	15818	End	16485
GI	none	Score	.9
Exons	15818..15896, 16349..16485		

Seq. No.	56911	Seq. ID	OJ000103_07.0426.C9
Gene No.	119049	Strand	+
Start	17217	End	17961
Name	OJ000103_07.0426.C9.o2.tc	Method	TBLASTX:Cress
Start	9251	End	10098
GI	none	Score	103
Exons	9251..9379, 9267..9380, 9478..9579, 9482..9580, 9705..9794, 9731..9793, 9929..10000, 9998..10072, 10012..10098		

Seq. No.	56911	Seq. ID	OJ000103_07.0426.C9
Gene No.	119049	Strand	+
Start	17217	End	17961
Name	OJ000103_07.0426.C9.o2.tm	Method	TBLASTX:Maize
Start	9750	End	10098
GI	none	Score	71
Exons	9750..9794, 9752..9793, 9929..10087, 9935..10087, 10003..10098		

Seq. No.	56911	Seq. ID	OJ000103_07.0426.C9
Gene No.	119049	Strand	+
Start	17217	End	17961
Name	OJ000103_07.0426.C9.o1.tc	Method	TBLASTX:Cress
Start	12879	End	14292

GI	none	Score	59
Exons	12879..12932, 12990..13214, 12995..13156, 13002..13157, 13897..13962, 13918..13962, 14223..14258, 14224..14259, 14253..14288, 14254..14292		
Seq. No.	56911	Seq. ID	OJ000103_07.0426.C9
Gene No.	119049	Strand	+
Start	17217	End	17961
Name	OJ000103_07.0426.C9.o1.tm	Method	TBLASTX:Maize
Start	12918	End	14292
GI	none	Score	58
Exons	12918..12965, 12919..12960, 12985..13158, 12986..13159, 12990..13172, 12992..13180, 13557..13625, 13557..13622, 13918..13962, 14223..14288, 14223..14288, 14224..14292		

Seq. No.	56911	Seq. ID	OJ000103_07.0426.C9
Gene No.	119049	Strand	+
Start	17217	End	17961
Name	OJ000103_07.0426.C9.o6.gs	Method	GENSCAN
Start	17217	End	17961
GI	none	Score	.74
Exons	17217..17357, 17453..17557, 17594..17618, 17675..17706, 17860..17961		

Seq. No.	56912	Seq. ID	OJ000103_07.0426.C10
Gene No.	119050	Strand	+
Start	1	End	3883
Name	OJ000103_07.0426.C10.o1.np	Method	AAT/NAP
Start	1	End	3883
GI	3935173	Score	273
Exons	1..164, 946..1028, 3861..3883		
GI Descrip.	(AC004557) F17L21.16 [Arabidopsis thaliana] gi|5931669|emb|CAB56588.1| (AJ011636) squamosa promoter binding protein-like 10 [Arabidopsis thaliana] gi|5931671|emb|CAB56589.1| (AJ011637) squamosa promoter binding protein-like 10 [Arabidopsis thaliana]		

Seq. No.	56912	Seq. ID	OJ000103_07.0426.C10
Gene No.	119050	Strand	+
Start	1	End	3883
Name	OJ000103_07.0426.C10.o1.gs	Method	GENSCAN
Start	946	End	3107
GI	none	Score	.77
Exons	946..1082, 1564..1782, 2770..3107		

Seq. No.	56912	Seq. ID	OJ000103_07.0426.C10
Gene No.	119050	Strand	+
Start	1	End	3883
Name	OJ000103_07.0426.C10.o1.gp	Method	AAT/GAP
Start	3116	End	3457
GI	3767017	Score	602
Exons	3116..3457		

Seq. No.	56912	Seq. ID	OJ000103_07.0426.C10
Gene No.	119051	Strand	+
Start	4261	End	4868
Name	OJ000103_07.0426.C10.o2.gp	Method	AAT/GAP

Start	4261	End	4868
GI	52103_1.R1084	Score	1169
Exons	4261..4868		
GI Descrip.	'4337195/gb|AAD18109| 5.0e-14 (AC006403) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	56912	Seq. ID	OJ000103_07.0426.C10
Gene No.	119052	Strand	+
Start	7527	End	7793
Name	OJ000103_07.0426.C10.o3.gs	Method	GENSCAN
Start	7527	End	7793
GI	none	Score	.61
Exons	7527..7793		

Seq. No.	56912	Seq. ID	OJ000103_07.0426.C10
Gene No.	119053	Strand	+
Start	9838	End	11768
Name	OJ000103_07.0426.C10.o4.gs	Method	GENSCAN
Start	9838	End	11768
GI	none	Score	.83
Exons	9838..10005, 10699..10888, 11602..11768		

Seq. No.	56912	Seq. ID	OJ000103_07.0426.C10
Gene No.	119054	Strand	-
Start	4638	End	6656
Name	OJ000103_07.0426.C10.o2.tm	Method	TBLASTX:Maize
Start	22	End	1012
GI	none	Score	215
Exons	22..165, 24..161, 75..170, 941..1012		

Seq. No.	56912	Seq. ID	OJ000103_07.0426.C10
Gene No.	119054	Strand	-
Start	4638	End	6656
Name	OJ000103_07.0426.C10.o1.tc	Method	TBLASTX:Cress
Start	4591	End	5447
GI	none	Score	255
Exons	4591..4629, 4635..4925, 4642..4929, 4941..4976, 4942..4977, 5055..5363, 5065..5364, 5065..5364, 5151..5369, 5341..5445, 5364..5447		

Seq. No.	56912	Seq. ID	OJ000103_07.0426.C10
Gene No.	119054	Strand	-
Start	4638	End	6656
Name	OJ000103_07.0426.C10.o1.tm	Method	TBLASTX:Maize
Start	4621	End	5915
GI	none	Score	213
Exons	4621..4974, 4638..4976, 4638..4976, 4639..4977, 5055..5669, 5065..5670, 5685..5720, 5778..5915, 5782..5898		

Seq. No.	56912	Seq. ID	OJ000103_07.0426.C10
Gene No.	119054	Strand	-
Start	4638	End	6656
Name	OJ000103_07.0426.C10.o2.ts	Method	TBLASTX:Soybean
Start	4635	End	4811
GI	none	Score	106
Exons	4635..4811, 4638..4799, 4639..4800		

Seq. No.	56912	Seq. ID	OJ000103_07.0426.C10
Gene No.	119054	Strand	-
Start	4638	End	6656
Name	OJ000103_07.0426.C10.o2.gs	Method	GENSCAN
Start	4638	End	6011
GI	none	Score	.6
Exons	4638..4977, 5065..6011		

Seq. No.	56912	Seq. ID	OJ000103_07.0426.C10
Gene No.	119054	Strand	-
Start	4638	End	6656
Name	OJ000103_07.0426.C10.o2.np	Method	AAT/NAP
Start	4641	End	6011
GI	4337195	Score	1383
Exons	4641..4977, 5065..5921, 5973..6011		
GI Descrip.	(AC006403) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	56912	Seq. ID	OJ000103_07.0426.C10
Gene No.	119054	Strand	-
Start	4638	End	6656
Name	OJ000103_07.0426.C10.o2.tw	Method	TBLASTX:Wheat
Start	4677	End	5345
GI	none	Score	93
Exons	4677..4976, 4711..4851, 4719..4976, 5055..5108, 5098..5262, 5106..5345		

Seq. No.	56912	Seq. ID	OJ000103_07.0426.C10
Gene No.	119054	Strand	-
Start	4638	End	6656
Name	OJ000103_07.0426.C10.o1.ts	Method	TBLASTX:Soybean
Start	4812	End	5900
GI	none	Score	176
Exons	4812..4976, 4813..4977, 4831..4977, 5055..5669, 5065..5670, 5332..5445, 5334..5396, 5698..5826, 5703..5825, 5832..5900		

Seq. No.	56912	Seq. ID	OJ000103_07.0426.C10
Gene No.	119054	Strand	-
Start	4638	End	6656
Name	OJ000103_07.0426.C10.o3.gp	Method	AAT/GAP
Start	5120	End	5595
GI	uC-osf1M202050e04b1	Score	907
Exons	5120..5595		
GI Descrip.	'4337195/gb|AAD18109| 6.0e-38 (AC006403) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	56912	Seq. ID	OJ000103_07.0426.C10
Gene No.	119054	Strand	-
Start	4638	End	6656
Name	OJ000103_07.0426.C10.o2.tc	Method	TBLASTX:Cress
Start	5451	End	5838
GI	none	Score	139
Exons	5451..5669, 5509..5667, 5767..5838, 5772..5825		

Seq. No.	56912	Seq. ID	OJ000103_07.0426.C10
Gene No.	119054	Strand	-
Start	4638	End	6656
Name	OJ000103_07.0426.C10.o1.tw	Method	TBLASTX:Wheat

Start	5602	End	6014
GI	none	Score	362
Exons	5602..5934, 5604..5933, 5684..5947, 5979..6014, 5982..6014		

Seq. No.	56912	Seq. ID	OJ000103_07.0426.C10
Gene No.	119054	Strand	-
Start	4638	End	6656
Name	OJ000103_07.0426.C10.o4.gp	Method	AAT/GAP
Start	5625	End	6656
GI	none	Score	1239
Exons	5625..6109, 6494..6656		

Seq. No.	56913	Seq. ID	OJ000103_07.0426.C11
Gene No.	119055	Strand	+
Start	380	End	6240
Name	OJ000103_07.0426.C11.o1.gs	Method	GENSCAN
Start	380	End	6240
GI	none	Score	57
Exons	380..719, 1268..1313, 2289..2376, 3742..4011, 5410..5590, 6203..6240		

Seq. No.	56913	Seq. ID	OJ000103_07.0426.C11
Gene No.	119055	Strand	+
Start	380	End	6240
Name	OJ000103_07.0426.C11.o1.np	Method	AAT/NAP
Start	446	End	721
GI	126386	Score	173
Exons	446..721		
GI Descrip.	POLLEN ALLERGEN LOL P 2-A (LOL P II-A) gi|82449|pir||A34291 pollen allergen Lol p IIA - perennial ryegrass		

Seq. No.	56913	Seq. ID	OJ000103_07.0426.C11
Gene No.	119056	Strand	-
Start	1810	End	2333
Name	OJ000103_07.0426.C11.o1.gp	Method	AAT/GAP
Start	1810	End	2333
GI	LIB3434-038-P1-K1-F1	Score	762
Exons	1810..2333		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	56913	Seq. ID	OJ000103_07.0426.C11
Gene No.	119057	Strand	-
Start	3563	End	8852
Name	OJ000103_07.0426.C11.o1.tm	Method	TBLASTX:Maize
Start	378	End	765
GI	none	Score	35
Exons	378..422, 385..558, 437..559, 566..760, 566..640, 616..765		

Seq. No.	56913	Seq. ID	OJ000103_07.0426.C11
Gene No.	119057	Strand	-
Start	3563	End	8852
Name	OJ000103_07.0426.C11.o2.np	Method	AAT/NAP
Start	3563	End	8852
GI	5032119	Score	175
Exons	3563..3670, 3857..4569, 7275..7458, 8816..8852		
GI Descrip.	Ser/Arg-related nuclear matrix protein (plenty of prolines		

101-like) gi|3005587 (AF048977) Ser/Arg-related nuclear matrix protein [Homo sapiens]

Seq. No.	56913	Seq. ID	OJ000103_07.0426.C11
Gene No.	119057	Strand	-
Start	3563	End	8852
Name	OJ000103_07.0426.C11.o2.gs	Method	GENSCAN
Start	7187	End	8484
GI	none	Score	.59
Exons	7187..7263, 8275..8484		

Seq. No.	56914	Seq. ID	OJ000103_07.0426.C12
Gene No.	119058	Strand	+
Start	484	End	3285
Name	OJ000103_07.0426.C12.o1.np	Method	AAT/NAP
Start	484	End	3285
GI	3805765	Score	458
Exons	484..529, 2155..2465, 2725..2886, 3163..3285		
GI Descrip.	(AC005693) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	56914	Seq. ID	OJ000103_07.0426.C12
Gene No.	119058	Strand	+
Start	484	End	3285
Name	OJ000103_07.0426.C12.o1.gp	Method	AAT/GAP
Start	522	End	2202
GI	3761453	Score	837
Exons	522..921, 2158..2202		

Seq. No.	56914	Seq. ID	OJ000103_07.0426.C12
Gene No.	119058	Strand	+
Start	484	End	3285
Name	OJ000103_07.0426.C12.o1.gs	Method	GENSCAN
Start	569	End	2907
GI	none	Score	.44
Exons	569..727, 2158..2465, 2725..2907		

Seq. No.	56914	Seq. ID	OJ000103_07.0426.C12
Gene No.	119058	Strand	+
Start	484	End	3285
Name	OJ000103_07.0426.C12.o1.tm	Method	TBLASTX:Maize
Start	783	End	2456
GI	none	Score	106
Exons	783..812, 839..916, 841..927, 841..921, 2154..2441, 2157..2399, 2390..2443, 2393..2452, 2394..2456, 2397..2456		

Seq. No.	56914	Seq. ID	OJ000103_07.0426.C12
Gene No.	119058	Strand	+
Start	484	End	3285
Name	OJ000103_07.0426.C12.o1.tc	Method	TBLASTX:Cress
Start	2243	End	2862
GI	none	Score	133
Exons	2243..2326, 2268..2384, 2412..2474, 2412..2474, 2724..2846, 2725..2862, 2731..2850		

Seq. No.	56914	Seq. ID	OJ000103_07.0426.C12
Gene No.	119058	Strand	+
Start	484	End	3285

Name	OJ000103_07.0426.C12.o1.ts	Method	TBLASTX:Soybean
Start	2262	End	2862
GI	none	Score	219
Exons	2262..2474, 2381..2464, 2727..2858, 2728..2862		

Seq. No.	56914	Seq. ID	OJ000103_07.0426.C12
Gene No.	119058	Strand	+
Start	484	End	3285
Name	OJ000103_07.0426.C12.o2.tm	Method	TBLASTX:Maize
Start	2724	End	2862
GI	none	Score	195
Exons	2724..2855, 2725..2862		

Seq. No.	56915	Seq. ID	OJ000103_07.0426.C13
Gene No.	119059	Strand	+
Start	1	End	2227
Name	OJ000103_07.0426.C13.o1.np	Method	AAT/NAP
Start	1	End	1986
GI	3805765	Score	698
Exons	1..81, 266..402, 1135..1258, 1406..1809, 1885..1986		
GI Descrip.	(AC005693) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	56915	Seq. ID	OJ000103_07.0426.C13
Gene No.	119059	Strand	+
Start	1	End	2227
Name	OJ000103_07.0426.C13.o1.gs	Method	GENSCAN
Start	1135	End	2061
GI	none	Score	.98
Exons	1135..1258, 1406..2061		

Seq. No.	56915	Seq. ID	OJ000103_07.0426.C13
Gene No.	119059	Strand	+
Start	1	End	2227
Name	OJ000103_07.0426.C13.o1.gp	Method	AAT/GAP
Start	1764	End	2227
GI	none	Score	877
Exons	1764..2227		

Seq. No.	56915	Seq. ID	OJ000103_07.0426.C13
Gene No.	119060	Strand	-
Start	3087	End	3214
Name	OJ000103_07.0426.C13.o1.tm	Method	TBLASTX:Maize
Start	244	End	2030
GI	none	Score	227
Exons	244..402, 256..402, 267..407, 267..404, 1133..1255, 1133..1255, 1134..1256, 1134..1259, 1135..1260, 1354..1782, 1386..1820, 1399..1821, 1407..1835, 1783..2007, 1868..2014, 1883..2005, 1896..2006, 2012..2029, 2013..2030		

Seq. No.	56915	Seq. ID	OJ000103_07.0426.C13
Gene No.	119060	Strand	-
Start	3087	End	3214
Name	OJ000103_07.0426.C13.o2.tw	Method	TBLASTX:Wheat
Start	265	End	1184
GI	none	Score	233
Exons	265..402, 267..404, 268..402, 1133..1183, 1134..1184, 1135..1182		

Seq. No.	56915	Seq. ID	OJ000103_07.0426.C13
Gene No.	119060	Strand	-
Start	3087	End	3214
Name	OJ000103_07.0426.C13.o1.ts	Method	TBLASTX:Soybean
Start	1155	End	1779
GI	none	Score	128
Exons	1155..1256, 1155..1259, 1156..1260, 1386..1694, 1399..1779, 1408..1779		

Seq. No.	56915	Seq. ID	OJ000103_07.0426.C13
Gene No.	119060	Strand	-
Start	3087	End	3214
Name	OJ000103_07.0426.C13.o1.tc	Method	TBLASTX:Cress
Start	1162	End	1953
GI	none	Score	140
Exons	1162..1260, 1176..1259, 1399..1521, 1399..1509, 1401..1520, 1518..1694, 1525..1740, 1888..1953		

Seq. No.	56915	Seq. ID	OJ000103_07.0426.C13
Gene No.	119060	Strand	-
Start	3087	End	3214
Name	OJ000103_07.0426.C13.o1.tw	Method	TBLASTX:Wheat
Start	1185	End	1710
GI	none	Score	114
Exons	1185..1259, 1186..1260, 1360..1599, 1386..1700, 1399..1710		

Seq. No.	56915	Seq. ID	OJ000103_07.0426.C13
Gene No.	119060	Strand	-
Start	3087	End	3214
Name	OJ000103_07.0426.C13.o2.gs	Method	GENSCAN
Start	3087	End	3214
GI	none	Score	.58
Exons	3087..3214		

Seq. No.	56916	Seq. ID	OJ000103_07.0426.C14
Gene No.	119061	Strand	+
Start	418	End	4597
Name	OJ000103_07.0426.C14.o1.np	Method	AAT/NAP
Start	418	End	4597
GI	7228457	Score	6153
Exons	418..784, 846..2781, 2845..3679, 3802..4597		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	56916	Seq. ID	OJ000103_07.0426.C14
Gene No.	119061	Strand	+
Start	418	End	4597
Name	OJ000103_07.0426.C14.o4.tw	Method	TBLASTX:Wheat
Start	1072	End	1464
GI	none	Score	58
Exons	1072..1119, 1126..1224, 1143..1223, 1191..1430, 1207..1464		

Seq. No.	56916	Seq. ID	OJ000103_07.0426.C14
Gene No.	119061	Strand	+
Start	418	End	4597
Name	OJ000103_07.0426.C14.o3.tm	Method	TBLASTX:Maize

Start	1077	End	1362
GI	none	Score	193
Exons	1077..1361, 1114..1362		

Seq. No.	56916	Seq. ID	OJ000103_07.0426.C14
Gene No.	119061	Strand	+
Start	418	End	4597
Name	OJ000103_07.0426.C14.o3.tw	Method	TBLASTX:Wheat
Start	2202	End	2685
GI	none	Score	410
Exons	2202..2333, 2203..2685, 2215..2364, 2397..2657		

Seq. No.	56916	Seq. ID	OJ000103_07.0426.C14
Gene No.	119061	Strand	+
Start	418	End	4597
Name	OJ000103_07.0426.C14.o1.tw	Method	TBLASTX:Wheat
Start	2852	End	3315
GI	none	Score	212
Exons	2852..3295, 2853..3314, 2854..3315		

Seq. No.	56916	Seq. ID	OJ000103_07.0426.C14
Gene No.	119061	Strand	+
Start	418	End	4597
Name	OJ000103_07.0426.C14.o2.ts	Method	TBLASTX:Soybean
Start	2893	End	3258
GI	none	Score	117
Exons	2893..3117, 3124..3258		

Seq. No.	56916	Seq. ID	OJ000103_07.0426.C14
Gene No.	119061	Strand	+
Start	418	End	4597
Name	OJ000103_07.0426.C14.o1.tm	Method	TBLASTX:Maize
Start	2983	End	3339
GI	none	Score	392
Exons	2983..3339, 3018..3329, 3034..3339		

Seq. No.	56916	Seq. ID	OJ000103_07.0426.C14
Gene No.	119061	Strand	+
Start	418	End	4597
Name	OJ000103_07.0426.C14.o2.tm	Method	TBLASTX:Maize
Start	3366	End	3750
GI	none	Score	360
Exons	3366..3731, 3367..3750		

Seq. No.	56916	Seq. ID	OJ000103_07.0426.C14
Gene No.	119061	Strand	+
Start	418	End	4597
Name	OJ000103_07.0426.C14.o2.tw	Method	TBLASTX:Wheat
Start	3423	End	3848
GI	none	Score	487
Exons	3423..3848, 3424..3843		

Seq. No.	56916	Seq. ID	OJ000103_07.0426.C14
Gene No.	119061	Strand	+
Start	418	End	4597
Name	OJ000103_07.0426.C14.o1.ts	Method	TBLASTX:Soybean
Start	3502	End	3873

GI	none	Score	271
Exons	3502..3873, 3519..3662		

Seq. No.	56916	Seq. ID	OJ000103_07.0426.C14
Gene No.	119061	Strand	+
Start	418	End	4597
Name	OJ000103_07.0426.C14.o5.tw	Method	TBLASTX:Wheat
Start	4372	End	4596
GI	none	Score	198
Exons	4372..4596, 4386..4574		

Seq. No.	56917	Seq. ID	OJ000103_07.0426.C15
Gene No.	119062	Strand	+
Start	1	End	1672
Name	OJ000103_07.0426.C15.o1.np	Method	AAT/NAP
Start	1	End	1669
GI	7228457	Score	2662
Exons	1..52, 119..1669		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	56917	Seq. ID	OJ000103_07.0426.C15
Gene No.	119062	Strand	+
Start	1	End	1672
Name	OJ000103_07.0426.C15.o1.gs	Method	GENSCAN
Start	17	End	1672
GI	none	Score	1
Exons	17..1672		

Seq. No.	56917	Seq. ID	OJ000103_07.0426.C15
Gene No.	119063	Strand	+
Start	11765	End	14568
Name	OJ000103_07.0426.C15.o6.gs	Method	GENSCAN
Start	11765	End	13938
GI	none	Score	.86
Exons	11765..11928, 12038..12155, 12691..12875, 13005..13150, 13847..13938		

Seq. No.	56917	Seq. ID	OJ000103_07.0426.C15
Gene No.	119063	Strand	+
Start	11765	End	14568
Name	OJ000103_07.0426.C15.o4.np	Method	AAT/NAP
Start	11861	End	14568
GI	7487442	Score	405
Exons	11861..11928, 12038..12139, 12684..12875, 13005..13137, 14103..14568		
GI Descrip.	hypothetical protein T26D22.10 - Arabidopsis thaliana gi|3047089|gb|AAC13601.1| (AF058826) contains similarity to pseudouridylate synthases [Arabidopsis thaliana]		

Seq. No.	56917	Seq. ID	OJ000103_07.0426.C15
Gene No.	119064	Strand	-
Start	2312	End	7256
Name	OJ000103_07.0426.C15.o2.gs	Method	GENSCAN
Start	2312	End	5536
GI	none	Score	.95

Exons	2312..5536		
Seq. No.	56917	Seq. ID	OJ000103_07.0426.C15
Gene No.	119064	Strand	-
Start	2312	End	7256
Name	OJ000103_07.0426.C15.o2.np	Method	AAT/NAP
Start	2315	End	5536
GI	5803259	Score	4230
Exons	2315..4181, 4275..5536		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	56917	Seq. ID	OJ000103_07.0426.C15
Gene No.	119064	Strand	-
Start	2312	End	7256
Name	OJ000103_07.0426.C15.o3.np	Method	AAT/NAP
Start	4750	End	7256
GI	5922623	Score	373
Exons	4750..4795, 6382..6457, 6625..6772, 7176..7256		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	56917	Seq. ID	OJ000103_07.0426.C15
Gene No.	119064	Strand	-
Start	2312	End	7256
Name	OJ000103_07.0426.C15.o3.gs	Method	GENSCAN
Start	6687	End	7250
GI	none	Score	.69
Exons	6687..7250		
Seq. No.	56917	Seq. ID	OJ000103_07.0426.C15
Gene No.	119065	Strand	-
Start	9244	End	9545
Name	OJ000103_07.0426.C15.o3.tw	Method	TBLASTX:Wheat
Start	25	End	346
GI	none	Score	190
Exons	25..345, 86..346		
Seq. No.	56917	Seq. ID	OJ000103_07.0426.C15
Gene No.	119065	Strand	-
Start	9244	End	9545
Name	OJ000103_07.0426.C15.o1.tm	Method	TBLASTX:Maize
Start	539	End	862
GI	none	Score	362
Exons	539..862, 568..849		
Seq. No.	56917	Seq. ID	OJ000103_07.0426.C15
Gene No.	119065	Strand	-
Start	9244	End	9545
Name	OJ000103_07.0426.C15.o1.tw	Method	TBLASTX:Wheat
Start	676	End	1057
GI	none	Score	375
Exons	676..732, 677..1057, 778..1026		
Seq. No.	56917	Seq. ID	OJ000103_07.0426.C15
Gene No.	119065	Strand	-
Start	9244	End	9545

Name	OJ000103_07.0426.C15.o2.tw	Method	TBLASTX:Wheat
Start	1058	End	1660
GI	none	Score	268
Exons	1058..1360, 1063..1341, 1198..1368, 1534..1656, 1535..1660		

Seq. No.	56917	Seq. ID	OJ000103_07.0426.C15
Gene No.	119065	Strand	-
Start	9244	End	9545
Name	OJ000103_07.0426.C15.o3.tm	Method	TBLASTX:Maize
Start	1529	End	1675
GI	none	Score	189
Exons	1529..1675, 1534..1674		

Seq. No.	56917	Seq. ID	OJ000103_07.0426.C15
Gene No.	119065	Strand	-
Start	9244	End	9545
Name	OJ000103_07.0426.C15.o4.gs	Method	GENSCAN
Start	9244	End	9545
GI	none	Score	.4
Exons	9244..9314, 9359..9545		

Seq. No.	56917	Seq. ID	OJ000103_07.0426.C15
Gene No.	119066	Strand	
Start	13821	End	14247
Name	OJ000103_07.0426.C15.o2.tm	Method	TBLASTX:Maize
Start	13821	End	14247
GI	none	Score	101
Exons	13821..13940, 13839..13946, 13840..13941, 14054..14245, 14091..14246, 14101..14247		

Seq. No.	56918	Seq. ID	OJ000113_07.0426.C1
Gene No.	119067	Strand	+
Start	520	End	3098
Name	OJ000113_07.0426.C1.o1.gp	Method	AAT/GAP
Start	520	End	2383
GI	none	Score	775
Exons	520..698, 910..1066, 2297..2383		

Seq. No.	56918	Seq. ID	OJ000113_07.0426.C1
Gene No.	119067	Strand	+
Start	520	End	3098
Name	OJ000113_07.0426.C1.o1.gs	Method	GENSCAN
Start	520	End	3098
GI	none	Score	.97
Exons	520..698, 910..1066, 2297..2428, 2896..3098		

Seq. No.	56918	Seq. ID	OJ000113_07.0426.C1
Gene No.	119068	Strand	-
Start	3235	End	3496
Name	OJ000113_07.0426.C1.o1.tc	Method	TBLASTX:Cress
Start	2379	End	3101
GI	none	Score	127
Exons	2379..2468, 2383..2469, 2466..2618, 2477..2617, 2891..2965, 2892..3059, 2901..3059, 3048..3101, 3056..3097		

Seq. No.	56918	Seq. ID	OJ000113_07.0426.C1
Gene No.	119068	Strand	-

Start	3235	End	3496
Name	OJ000113_07.0426.C1.o1.tm	Method	TBLASTX:Maize
Start	2568	End	3089
GI	none	Score	68
Exons	2568..2618, 2892..3089, 2892..3089		

Seq. No.	56918	Seq. ID	OJ000113_07.0426.C1
Gene No.	119068	Strand	-
Start	3235	End	3496
Name	OJ000113_07.0426.C1.o2.gp	Method	AAT/GAP
Start	3235	End	3496
GI	1854152	Score	515
Exons	3235..3496		

Seq. No.	56919	Seq. ID	OJ000113_07.0426.C2
Gene No.	119069	Strand	-
Start	138	End	5115
Name	OJ000113_07.0426.C2.o1.gs	Method	GENSCAN
Start	138	End	3472
GI	none	Score	.81
Exons	138..1787, 1876..1939, 2206..2324, 2403..2474, 2718..2828, 3431..3472		

Seq. No.	56919	Seq. ID	OJ000113_07.0426.C2
Gene No.	119069	Strand	-
Start	138	End	5115
Name	OJ000113_07.0426.C2.o1.gp	Method	AAT/GAP
Start	935	End	1070
GI	3106589	Score	239
Exons	935..1070		

Seq. No.	56919	Seq. ID	OJ000113_07.0426.C2
Gene No.	119069	Strand	-
Start	138	End	5115
Name	OJ000113_07.0426.C2.o1.tm	Method	TBLASTX:Maize
Start	1185	End	2442
GI	none	Score	46
Exons	1185..1325, 1279..1362, 1351..1416, 1419..1487, 1506..1787, 1521..1676, 1525..1662, 1536..1727, 1537..1782, 1876..1941, 1876..1938, 2205..2321, 2208..2324, 2212..2325, 2400..2441, 2404..2442		

Seq. No.	56919	Seq. ID	OJ000113_07.0426.C2
Gene No.	119069	Strand	-
Start	138	End	5115
Name	OJ000113_07.0426.C2.o1.tw	Method	TBLASTX:Wheat
Start	2206	End	2783
GI	none	Score	168
Exons	2206..2325, 2208..2324, 2400..2477, 2400..2477, 2413..2478, 2718..2783, 2718..2783		

Seq. No.	56919	Seq. ID	OJ000113_07.0426.C2
Gene No.	119069	Strand	-
Start	138	End	5115
Name	OJ000113_07.0426.C2.o2.tm	Method	TBLASTX:Maize
Start	2718	End	5115
GI	none	Score	124

Exons	2718..2822, 2718..2828, 2719..2835, 3433..3474, 5031..5114, 5034..5114, 5035..5115		
Seq. No.	56920	Seq. ID	OJ000113_07.0426.C3
Gene No.	119070	Strand	+
Start	14350	End	16494
Name	OJ000113_07.0426.C3.o4.gs	Method	GENSCAN
Start	14350	End	16494
GI	none	Score	.41
Exons	14350..14491, 14637..14712, 15173..15327, 16160..16494		
Seq. No.	56920	Seq. ID	OJ000113_07.0426.C3
Gene No.	119071	Strand	+
Start	27650	End	27994
Name	OJ000113_07.0426.C3.o7.gs	Method	GENSCAN
Start	27650	End	27994
GI	none	Score	.97
Exons	27650..27994		
Seq. No.	56920	Seq. ID	OJ000113_07.0426.C3
Gene No.	119072	Strand	-
Start	1	End	28191
Name	OJ000113_07.0426.C3.o1.np	Method	AAT/NAP
Start	1	End	15157
GI	7485859	Score	501
Exons	1..19, 10087..10968, 15119..15157		
GI Descrip.	hypothetical protein F20D10.300 - Arabidopsis thaliana gi|4467124|emb|CAB37558.1| (AL035538) hypothetical protein [Arabidopsis thaliana] gi|7270802|emb|CAB80483.1| (AL161593) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	56920	Seq. ID	OJ000113_07.0426.C3
Gene No.	119072	Strand	-
Start	1	End	28191
Name	OJ000113_07.0426.C3.o1.gs	Method	GENSCAN
Start	278	End	3875
GI	none	Score	.67
Exons	278..730, 984..1231, 2272..2367, 2457..2553, 3811..3875		
Seq. No.	56920	Seq. ID	OJ000113_07.0426.C3
Gene No.	119072	Strand	-
Start	1	End	28191
Name	OJ000113_07.0426.C3.o2.tm	Method	TBLASTX:Maize
Start	973	End	2552
GI	none	Score	82
Exons	973..1137, 989..1138, 990..1115, 1166..1222, 1176..1214, 2266..2358, 2270..2383, 2457..2552		
Seq. No.	56920	Seq. ID	OJ000113_07.0426.C3
Gene No.	119072	Strand	-
Start	1	End	28191
Name	OJ000113_07.0426.C3.o2.gs	Method	GENSCAN
Start	5873	End	8478
GI	none	Score	.53
Exons	5873..6040, 6126..6173, 6305..6401, 6481..6779, 6813..6888, 7116..7330, 8446..8478		

Seq. No.	56920	Seq. ID	OJ000113_07.0426.C3
Gene No.	119072	Strand	-
Start	1	End	28191
Name	OJ000113_07.0426.C3.o1.tm	Method	TBLASTX:Maize
Start	6300	End	6750
GI	none	Score	105
Exons	6300..6407, 6302..6403, 6483..6623, 6485..6601, 6502..6636, 6544..6624, 6613..6750, 6627..6749		

Seq. No.	56920	Seq. ID	OJ000113_07.0426.C3
Gene No.	119072	Strand	-
Start	1	End	28191
Name	OJ000113_07.0426.C3.o3.gs	Method	GENSCAN
Start	10056	End	13037
GI	none	Score	.55
Exons	10056..10700, 10708..11000, 11528..11556, 11788..11860, 12537..12691, 12925..13037		

Seq. No.	56920	Seq. ID	OJ000113_07.0426.C3
Gene No.	119072	Strand	-
Start	1	End	28191
Name	OJ000113_07.0426.C3.o1.ts	Method	TBLASTX:Soybean
Start	10089	End	10320
GI	none	Score	116
Exons	10089..10319, 10105..10320		

Seq. No.	56920	Seq. ID	OJ000113_07.0426.C3
Gene No.	119072	Strand	-
Start	1	End	28191
Name	OJ000113_07.0426.C3.o2.np	Method	AAT/NAP
Start	12654	End	19474
GI	5042454	Score	195
Exons	12654..12707, 12951..13124, 16372..16474, 17247..17440, 19321..19474		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	56920	Seq. ID	OJ000113_07.0426.C3
Gene No.	119072	Strand	-
Start	1	End	28191
Name	OJ000113_07.0426.C3.o3.np	Method	AAT/NAP
Start	16308	End	28001
GI	6523547	Score	346
Exons	16308..16479, 19327..19437, 23390..23470, 24012..24122, 24239..24647, 24674..24745, 27728..28001		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	56920	Seq. ID	OJ000113_07.0426.C3
Gene No.	119072	Strand	-
Start	1	End	28191
Name	OJ000113_07.0426.C3.o6.gs	Method	GENSCAN
Start	22500	End	26621
GI	none	Score	.67
Exons	22500..22581, 22880..23123, 23310..23385, 23714..23992, 25389..25605, 25834..25950, 26281..26621		

Seq. No.	56920	Seq. ID	OJ000113_07.0426.C3

Gene No.	119072	Strand	-
Start	1	End	28191
Name	OJ000113_07.0426.C3.o1.gp	Method	AAT/GAP
Start	27837	End	28191
GI	2310398	Score	656
Exons	27837..28191		

Seq. No.	56921	Seq. ID	OJ000113_07.0426.C4
Gene No.	119073	Strand	-
Start	1112	End	2414
Name	OJ000113_07.0426.C4.o1.gp	Method	AAT/GAP
Start	901	End	1350
GI	5446_1.R1084	Score	633
Exons	901..1204, 1302..1350		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	56921	Seq. ID	OJ000113_07.0426.C4
Gene No.	119073	Strand	-
Start	1112	End	2414
Name	OJ000113_07.0426.C4.o1.gs	Method	GENSCAN
Start	1112	End	1347
GI	none	Score	.91
Exons	1112..1204, 1302..1347		

Seq. No.	56921	Seq. ID	OJ000113_07.0426.C4
Gene No.	119073	Strand	-
Start	1112	End	2414
Name	OJ000113_07.0426.C4.o1.np	Method	AAT/NAP
Start	1115	End	2414
GI	7434320	Score	138
Exons	1115..1204, 1302..1348, 2391..2414		
GI Descrip.	protein kinase MEK1 (EC 2.7.1.-) - maize gi|2737973|gb|AAC83393.1| (U83625) protein kinase ZmMEK1 [Zea mays]		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119074	Strand	+
Start	13879	End	15899
Name	OJ000113_07.0426.C5.o4.gs	Method	GENSCAN
Start	13879	End	15899
GI	none	Score	.48
Exons	13879..13954, 15215..15567, 15699..15899		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119075	Strand	+
Start	16355	End	20671
Name	OJ000113_07.0426.C5.o5.gs	Method	GENSCAN
Start	16355	End	20671
GI	none	Score	.4
Exons	16355..19381, 19583..20671		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119075	Strand	+
Start	16355	End	20671
Name	OJ000113_07.0426.C5.o2.np	Method	AAT/NAP
Start	16577	End	20647

GI	7228446	Score	3626
Exons	16577..19689, 19777..20647		
GI Descrip.	(AP001366) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative retroelement pol polyprotein. (AC006248) [Oryza sativa]		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119076	Strand	+
Start	21197	End	21592
Name	OJ000113_07.0426.C5.o6.gs	Method	GENSCAN
Start	21197	End	21592
GI	none	Score	.93
Exons	21197..21592		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119077	Strand	-
Start	592	End	3391
Name	OJ000113_07.0426.C5.o1.np	Method	AAT/NAP
Start	592	End	3104
GI	7434320	Score	1331
Exons	592..812, 931..1113, 1245..1469, 1957..2094, 2444..2531, 3031..3104		
GI Descrip.	protein kinase MEK1 (EC 2.7.1.-) - maize gi|2737973|gb|AAC83393.1| (U83625) protein kinase ZmMEK1 [Zea mays]		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119077	Strand	-
Start	592	End	3391
Name	OJ000113_07.0426.C5.o1.gs	Method	GENSCAN
Start	698	End	3104
GI	none	Score	.65
Exons	698..812, 931..1113, 1245..1469, 1957..2094, 2444..2531, 3031..3104		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119077	Strand	-
Start	592	End	3391
Name	OJ000113_07.0426.C5.o1.gp	Method	AAT/GAP
Start	1372	End	3391
GI	36232_1.R1084	Score	1211
Exons	1372..1469, 1957..2094, 2444..2531, 3031..3391		
GI Descrip.	'2737973 2.0e-38 (U83625) protein kinase ZmMEK1 [Zea mays]'		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119078	Strand	-
Start	4490	End	5795
Name	OJ000113_07.0426.C5.o2.gs	Method	GENSCAN
Start	4490	End	5795
GI	none	Score	.6
Exons	4490..4811, 4843..5123, 5487..5540, 5589..5795		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119079	Strand	-
Start	6944	End	13087
Name	OJ000113_07.0426.C5.o3.gs	Method	GENSCAN
Start	6944	End	13087

GI	none	Score	.68
Exons	6944..7167, 7282..7409, 7448..7611, 7687..7766, 9126..9217, 9767..10080, 10172..10321, 10403..10536, 12008..12152, 12209..12358, 12374..13087		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o1.tm	Method	TBLASTX:Maize
Start	592	End	3108
GI	none	Score	313
Exons	592..813, 594..812, 917..1114, 931..1116, 931..1128, 1224..1481, 1242..1472, 1243..1482, 1945..2094, 1947..2087, 1952..2092, 2435..2536, 3030..3107, 3031..3108		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o1.tc	Method	TBLASTX:Cress
Start	594	End	2536
GI	none	Score	89
Exons	594..713, 598..681, 639..818, 640..813, 931..1116, 935..1114, 1224..1481, 1243..1458, 1353..1481, 1945..2082, 1952..2074, 2462..2536		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o1.ts	Method	TBLASTX:Soybean
Start	594	End	2536
GI	none	Score	75
Exons	594..713, 598..702, 705..800, 706..780, 711..794, 916..1116, 931..1116, 1224..1481, 1243..1461, 1263..1463, 1945..2082, 2444..2536		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o1.tw	Method	TBLASTX:Wheat
Start	654	End	1116
GI	none	Score	44
Exons	654..689, 655..696, 705..827, 706..813, 931..1116, 932..1114		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o2.ts	Method	TBLASTX:Soybean
Start	15405	End	21235
GI	none	Score	219
Exons	15405..15578, 15406..15573, 15645..15713, 15646..15702, 15696..15890, 15701..15886, 21178..21234, 21182..21235		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o2.tc	Method	TBLASTX:Cress
Start	15406	End	21289

GI	none	Score	217
Exons	15406..15573, 15406..15570, 15408..15578, 15645..15695, 15696..15890, 15698..15886, 21178..21255, 21182..21250, 21242..21289		
Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o2.tm	Method	TBLASTX:Maize
Start	15406	End	15887
GI	none	Score	258
Exons	15406..15573, 15408..15569, 15645..15713, 15646..15702, 15696..15887, 15704..15886		
Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o8.tm	Method	TBLASTX:Maize
Start	16751	End	17044
GI	none	Score	213
Exons	16751..17044, 16927..17025		
Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o7.tm	Method	TBLASTX:Maize
Start	17497	End	17902
GI	none	Score	254
Exons	17497..17673, 17498..17797, 17507..17713, 17804..17902		
Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o4.tw	Method	TBLASTX:Wheat
Start	17518	End	17968
GI	none	Score	227
Exons	17518..17727, 17519..17797, 17798..17881, 17800..17883, 17888..17968, 17890..17967		
Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o2.tw	Method	TBLASTX:Wheat
Start	18059	End	18601
GI	none	Score	328
Exons	18059..18505, 18104..18382, 18253..18489, 18512..18601, 18538..18591		
Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o4.tm	Method	TBLASTX:Maize
Start	18248	End	18673
GI	none	Score	397
Exons	18248..18598, 18262..18597, 18605..18673, 18613..18657		
Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5

Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o3.ts	Method	TBLASTX:Soybean
Start	18275	End	18754
GI	none	Score	421
Exons	18275..18754, 18280..18570, 18613..18753		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o4.tc	Method	TBLASTX:Cress
Start	18290	End	18736
GI	none	Score	251
Exons	18290..18736		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o4.ts	Method	TBLASTX:Soybean
Start	19082	End	19609
GI	5509260	Score	420
Exons	19082..19609, 19234..19578		
GI Descrip.	-		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o5.tm	Method	TBLASTX:Maize
Start	19139	End	19456
GI	none	Score	411
Exons	19139..19456, 19147..19455		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o3.tc	Method	TBLASTX:Cress
Start	19231	End	19495
GI	none	Score	264
Exons	19231..19407, 19232..19495, 19247..19495		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o3.tw	Method	TBLASTX:Wheat
Start	19276	End	19942
GI	none	Score	308
Exons	19276..19407, 19277..19621, 19406..19573, 19432..19575, 19613..19828, 19820..19942		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o3.tm	Method	TBLASTX:Maize
Start	19709	End	20098
GI	none	Score	454
Exons	19709..19834, 19711..20094, 19712..20098		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o5.tc	Method	TBLASTX:Cress
Start	19957	End	20629
GI	none	Score	167
Exons	19957..20100, 19958..20149, 19964..20113, 20174..20260, 20238..20363, 20378..20629, 20419..20589		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o5.ts	Method	TBLASTX:Soybean
Start	19985	End	20665
GI	none	Score	130
Exons	19985..20146, 20153..20665		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o5.tw	Method	TBLASTX:Wheat
Start	20180	End	20599
GI	none	Score	105
Exons	20180..20383, 20381..20599		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o6.tm	Method	TBLASTX:Maize
Start	20242	End	20626
GI	none	Score	308
Exons	20242..20625, 20243..20626		

Seq. No.	56922	Seq. ID	OJ000113_07.0426.C5
Gene No.	119080	Strand	-
Start	21298	End	22688
Name	OJ000113_07.0426.C5.o3.np	Method	AAT/NAP
Start	21298	End	22688
GI	4008006	Score	44
Exons	21298..21444, 22618..22688		
GI Descrip.	(AF084034) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	56923	Seq. ID	OJ000113_07.0426.C6
Gene No.	119081	Strand	+
Start	697	End	1300
Name	OJ000113_07.0426.C6.o1.gp	Method	AAT/GAP
Start	697	End	1300
GI	2428943	Score	705
Exons	697..972, 1107..1300		

Seq. No.	56923	Seq. ID	OJ000113_07.0426.C6
Gene No.	119082	Strand	+
Start	3812	End	10468
Name	OJ000113_07.0426.C6.o2.gp	Method	AAT/GAP
Start	3812	End	4438
GI	2310235	Score	292
Exons	3812..3849, 4300..4438		

GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	56923	Seq. ID	OJ000113_07.0426.C6
Gene No.	119082	Strand	+
Start	3812	End	10468
Name	OJ000113_07.0426.C6.o2.np	Method	AAT/NAP
Start	4300	End	10468
GI	4680203	Score	2912
Exons	4300..5364, 8521..9128, 9282..9512, 9790..10468		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	56923	Seq. ID	OJ000113_07.0426.C6
Gene No.	119082	Strand	+
Start	3812	End	10468
Name	OJ000113_07.0426.C6.o3.gp	Method	AAT/GAP
Start	7430	End	7811
GI	uC-osflcyp033a04b1	Score	659
Exons	7430..7811		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	56923	Seq. ID	OJ000113_07.0426.C6
Gene No.	119083	Strand	-
Start	1	End	4288
Name	OJ000113_07.0426.C6.o1.np	Method	AAT/NAP
Start	1	End	4288
GI	7442094	Score	120
Exons	1..446, 4247..4288		
GI Descrip.	extensin CYC15 precursor - Madagascar periwinkle gi|1486263|dbj|BAA13175.1| (D86853) extensin [Catharanthus roseus]		
Seq. No.	56923	Seq. ID	OJ000113_07.0426.C6
Gene No.	119084	Strand	-
Start	8516	End	10468
Name	OJ000113_07.0426.C6.o4.tw	Method	TBLASTX:Wheat
Start	878	End	5002
GI	none	Score	92
Exons	878..928, 4606..4758, 4625..4744, 4741..4992, 4749..4991, 4752..4994, 4760..5002		
Seq. No.	56923	Seq. ID	OJ000113_07.0426.C6
Gene No.	119084	Strand	-
Start	8516	End	10468
Name	OJ000113_07.0426.C6.o1.tm	Method	TBLASTX:Maize
Start	1965	End	2336
GI	none	Score	295
Exons	1965..2336		
Seq. No.	56923	Seq. ID	OJ000113_07.0426.C6
Gene No.	119084	Strand	-
Start	8516	End	10468
Name	OJ000113_07.0426.C6.o5.tw	Method	TBLASTX:Wheat
Start	2163	End	2530
GI	none	Score	150
Exons	2163..2354, 2276..2530, 2427..2528		

Seq. No.	56923	Seq. ID	OJ000113_07.0426.C6
Gene No.	119084	Strand	-
Start	8516	End	10468
Name	OJ000113_07.0426.C6.o4.tm	Method	TBLASTX:Maize
Start	2606	End	2900
GI	none	Score	228
Exons	2606..2713, 2607..2900, 2607..2795, 2738..2899		

Seq. No.	56923	Seq. ID	OJ000113_07.0426.C6
Gene No.	119084	Strand	-
Start	8516	End	10468
Name	OJ000113_07.0426.C6.o1.ts	Method	TBLASTX:Soybean
Start	4924	End	5360
GI	none	Score	98
Exons	4924..4998, 4999..5061, 5056..5352, 5088..5360		

Seq. No.	56923	Seq. ID	OJ000113_07.0426.C6
Gene No.	119084	Strand	-
Start	8516	End	10468
Name	OJ000113_07.0426.C6.o2.tc	Method	TBLASTX:Cress
Start	5085	End	5364
GI	none	Score	227
Exons	5085..5237, 5092..5364, 5286..5363		

Seq. No.	56923	Seq. ID	OJ000113_07.0426.C6
Gene No.	119084	Strand	-
Start	8516	End	10468
Name	OJ000113_07.0426.C6.o5.tm	Method	TBLASTX:Maize
Start	5194	End	5370
GI	none	Score	183
Exons	5194..5364, 5200..5370		

Seq. No.	56923	Seq. ID	OJ000113_07.0426.C6
Gene No.	119084	Strand	-
Start	8516	End	10468
Name	OJ000113_07.0426.C6.o3.tw	Method	TBLASTX:Wheat
Start	5221	End	8845
GI	none	Score	66
Exons	5221..5277, 5229..5273, 5274..5366, 5275..5364, 8518..8535, 8549..8635, 8550..8636, 8556..8636, 8637..8840, 8639..8845		

Seq. No.	56923	Seq. ID	OJ000113_07.0426.C6
Gene No.	119084	Strand	-
Start	8516	End	10468
Name	OJ000113_07.0426.C6.o3.tm	Method	TBLASTX:Maize
Start	8515	End	8879
GI	none	Score	52
Exons	8515..8556, 8550..8675, 8685..8879		

Seq. No.	56923	Seq. ID	OJ000113_07.0426.C6
Gene No.	119084	Strand	-
Start	8516	End	10468
Name	OJ000113_07.0426.C6.o4.gp	Method	AAT/GAP
Start	8516	End	10468
GI	342_1.R1084	Score	3306
Exons	8516..10468		

GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	56923	Seq. ID	OJ000113_07.0426.C6
Gene No.	119084	Strand	-
Start	8516	End	10468
Name	OJ000113_07.0426.C6.o2.ts	Method	TBLASTX:Soybean
Start	8709	End	8951
GI	none	Score	210
Exons	8709..8951, 8714..8893		
Seq. No.	56923	Seq. ID	OJ000113_07.0426.C6
Gene No.	119084	Strand	-
Start	8516	End	10468
Name	OJ000113_07.0426.C6.o2.tw	Method	TBLASTX:Wheat
Start	8984	End	9394
GI	none	Score	77
Exons	8984..9034, 8985..9047, 9059..9235, 9060..9275, 9308..9394, 9309..9392		
Seq. No.	56923	Seq. ID	OJ000113_07.0426.C6
Gene No.	119084	Strand	-
Start	8516	End	10468
Name	OJ000113_07.0426.C6.o1.tw	Method	TBLASTX:Wheat
Start	9395	End	10467
GI	none	Score	435
Exons	9395..9751, 9396..9752, 9403..9753, 9756..10025, 9757..10314, 9982..10299, 10307..10348, 10309..10353, 10312..10353, 10356..10451, 10360..10419, 10398..10466, 10399..10467		
Seq. No.	56923	Seq. ID	OJ000113_07.0426.C6
Gene No.	119084	Strand	-
Start	8516	End	10468
Name	OJ000113_07.0426.C6.o2.tm	Method	TBLASTX:Maize
Start	9438	End	9755
GI	none	Score	291
Exons	9438..9755, 9449..9751		
Seq. No.	56923	Seq. ID	OJ000113_07.0426.C6
Gene No.	119084	Strand	-
Start	8516	End	10468
Name	OJ000113_07.0426.C6.o1.tc	Method	TBLASTX:Cress
Start	9683	End	10131
GI	none	Score	69
Exons	9683..9751, 9687..9752, 9756..10025, 9757..10131, 9982..10131		
Seq. No.	56924	Seq. ID	OJ000113_07.0426.C7
Gene No.	119085	Strand	+
Start	1	End	22006
Name	OJ000113_07.0426.C7.o5.np	Method	AAT/NAP
Start	1	End	20370
GI	6815062	Score	304
Exons	1..113, 18852..18964, 19030..19127, 19198..19492, 20081..20370		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	56924	Seq. ID	OJ000113_07.0426.C7
Gene No.	119085	Strand	+
Start	1	End	22006
Name	OJ000113_07.0426.C7.o1.gs	Method	GENSCAN
Start	126	End	445
GI	none	Score	.74
Exons	126..192, 435..445		

Seq. No.	56924	Seq. ID	OJ000113_07.0426.C7
Gene No.	119085	Strand	+
Start	1	End	22006
Name	OJ000113_07.0426.C7.o2.gs	Method	GENSCAN
Start	1367	End	2041
GI	none	Score	.82
Exons	1367..2041		

Seq. No.	56924	Seq. ID	OJ000113_07.0426.C7
Gene No.	119085	Strand	+
Start	1	End	22006
Name	OJ000113_07.0426.C7.o1.np	Method	AAT/NAP
Start	1391	End	5089
GI	4680204	Score	940
Exons	1391..2827, 2923..4002, 4107..4286, 4377..4505, 4862..5089		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	56924	Seq. ID	OJ000113_07.0426.C7
Gene No.	119085	Strand	+
Start	1	End	22006
Name	OJ000113_07.0426.C7.o3.gs	Method	GENSCAN
Start	2162	End	3416
GI	none	Score	.75
Exons	2162..2827, 2923..3064, 3211..3416		

Seq. No.	56924	Seq. ID	OJ000113_07.0426.C7
Gene No.	119085	Strand	+
Start	1	End	22006
Name	OJ000113_07.0426.C7.o4.gs	Method	GENSCAN
Start	3605	End	4003
GI	none	Score	.94
Exons	3605..4003		

Seq. No.	56924	Seq. ID	OJ000113_07.0426.C7
Gene No.	119085	Strand	+
Start	1	End	22006
Name	OJ000113_07.0426.C7.o5.gs	Method	GENSCAN
Start	4114	End	8797
GI	none	Score	.44
Exons	4114..4425, 4739..4841, 7004..7152, 7200..7306, 7550..7684, 7986..8170, 8247..8797		

Seq. No.	56924	Seq. ID	OJ000113_07.0426.C7
Gene No.	119085	Strand	+
Start	1	End	22006
Name	OJ000113_07.0426.C7.o3.np	Method	AAT/NAP
Start	7024	End	7358
GI	6630699	Score	95
Exons	7024..7358		

GI Descrip. (AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. No.	56924	Seq. ID	OJ000113_07.0426.C7
Gene No.	119085	Strand	+
Start	1	End	22006
Name	OJ000113_07.0426.C7.o6.gs	Method	GENSCAN
Start	12163	End	22006
GI	none	Score	.64
Exons	12163..12497, 13068..13383, 15818..15850, 19198..19475, 20209..20275, 21203..21236, 21298..21383, 21887..22006		

Seq. No.	56924	Seq. ID	OJ000113_07.0426.C7
Gene No.	119086	Strand	-
Start	7497	End	9267
Name	OJ000113_07.0426.C7.o4.np	Method	AAT/NAP
Start	7497	End	9267
GI	5922620	Score	104
Exons	7497..7628, 9140..9267		

GI Descrip. (AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	56924	Seq. ID	OJ000113_07.0426.C7
Gene No.	119087	Strand	-
Start	22727	End	25768
Name	OJ000113_07.0426.C7.o7.gs	Method	GENSCAN
Start	22727	End	25768
GI	none	Score	.74
Exons	22727..22837, 22923..23211, 23294..23464, 23543..24054, 24166..24404, 24610..24961, 25040..25213, 25219..25264, 25464..25768		

Seq. No.	56924	Seq. ID	OJ000113_07.0426.C7
Gene No.	119088	Strand	-
Start	26121	End	26598
Name	OJ000113_07.0426.C7.o1.tw	Method	TBLASTX:Wheat
Start	2034	End	24910
GI	none	Score	179
Exons	2034..2144, 2036..2269, 2096..2185, 2137..2277, 2267..2437, 2332..2436, 24854..24910		

Seq. No.	56924	Seq. ID	OJ000113_07.0426.C7
Gene No.	119088	Strand	-
Start	26121	End	26598
Name	OJ000113_07.0426.C7.o2.tw	Method	TBLASTX:Wheat
Start	2438	End	24384
GI	none	Score	65
Exons	2438..2518, 2759..2833, 2917..3135, 24172..24384		

Seq. No.	56924	Seq. ID	OJ000113_07.0426.C7
Gene No.	119088	Strand	-
Start	26121	End	26598
Name	OJ000113_07.0426.C7.o8.gs	Method	GENSCAN

Start	26121	End	26598
GI	none	Score	1
Exons	26121..26598		

Seq. No.	56925	Seq. ID	OJ000113_07.0426.C8
Gene No.	119089	Strand	-
Start	754	End	4534
Name	OJ000113_07.0426.C8.o1.np	Method	AAT/NAP
Start	598	End	4534
GI	4680203	Score	1936
Exons	598..1533, 1810..2053, 2213..3873, 4513..4534		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	56925	Seq. ID	OJ000113_07.0426.C8
Gene No.	119089	Strand	-
Start	754	End	4534
Name	OJ000113_07.0426.C8.o1.tw	Method	TBLASTX:Wheat
Start	676	End	1914
GI	none	Score	68
Exons	676..795, 796..900, 797..901, 919..972, 973..1023, 1039..1179, 1040..1165, 1177..1377, 1301..1351, 1382..1882, 1384..1914		

Seq. No.	56925	Seq. ID	OJ000113_07.0426.C8
Gene No.	119089	Strand	-
Start	754	End	4534
Name	OJ000113_07.0426.C8.o2.ts	Method	TBLASTX:Soybean
Start	739	End	987
GI	none	Score	88
Exons	739..987, 749..985		

Seq. No.	56925	Seq. ID	OJ000113_07.0426.C8
Gene No.	119089	Strand	-
Start	754	End	4534
Name	OJ000113_07.0426.C8.o1.gs	Method	GENSCAN
Start	754	End	3978
GI	none	Score	.62
Exons	754..1212, 1330..2349, 2449..2708, 2943..3150, 3227..3568, 3635..3864, 3966..3978		

Seq. No.	56925	Seq. ID	OJ000113_07.0426.C8
Gene No.	119089	Strand	-
Start	754	End	4534
Name	OJ000113_07.0426.C8.o2.tc	Method	TBLASTX:Cress
Start	1213	End	1639
GI	none	Score	182
Exons	1213..1377, 1382..1639, 1384..1635		

Seq. No.	56925	Seq. ID	OJ000113_07.0426.C8
Gene No.	119089	Strand	-
Start	754	End	4534
Name	OJ000113_07.0426.C8.o2.tm	Method	TBLASTX:Maize
Start	1570	End	1885
GI	none	Score	152
Exons	1570..1884, 1589..1885		

Seq. No.	56925	Seq. ID	OJ000113_07.0426.C8
Gene No.	119089	Strand	-

Start	754	End	4534
Name	OJ000113_07.0426.C8.o3.ts	Method	TBLASTX:Soybean
Start	1582	End	1969
GI	none	Score	66
Exons	1582..1719, 1585..1827, 1837..1965, 1856..1969		

Seq. No.	56925	Seq. ID	OJ000113_07.0426.C8
Gene No.	119089	Strand	-
Start	754	End	4534
Name	OJ000113_07.0426.C8.o4.tw	Method	TBLASTX:Wheat
Start	2053	End	2257
GI	none	Score	41
Exons	2053..2136, 2084..2125, 2137..2256, 2140..2256, 2141..2257		

Seq. No.	56925	Seq. ID	OJ000113_07.0426.C8
Gene No.	119089	Strand	-
Start	754	End	4534
Name	OJ000113_07.0426.C8.o3.tm	Method	TBLASTX:Maize
Start	2062	End	2277
GI	none	Score	82
Exons	2062..2253, 2063..2251, 2077..2277		

Seq. No.	56925	Seq. ID	OJ000113_07.0426.C8
Gene No.	119089	Strand	-
Start	754	End	4534
Name	OJ000113_07.0426.C8.o1.tm	Method	TBLASTX:Maize
Start	2437	End	2886
GI	none	Score	86
Exons	2437..2631, 2453..2632, 2638..2880, 2654..2827, 2755..2886		

Seq. No.	56925	Seq. ID	OJ000113_07.0426.C8
Gene No.	119089	Strand	-
Start	754	End	4534
Name	OJ000113_07.0426.C8.o3.tw	Method	TBLASTX:Wheat
Start	2476	End	2817
GI	none	Score	75
Exons	2476..2631, 2477..2725, 2675..2770, 2677..2772, 2785..2817		

Seq. No.	56925	Seq. ID	OJ000113_07.0426.C8
Gene No.	119089	Strand	-
Start	754	End	4534
Name	OJ000113_07.0426.C8.o1.tc	Method	TBLASTX:Cress
Start	2725	End	3075
GI	none	Score	110
Exons	2725..3075, 2726..2881, 2918..3067		

Seq. No.	56925	Seq. ID	OJ000113_07.0426.C8
Gene No.	119089	Strand	-
Start	754	End	4534
Name	OJ000113_07.0426.C8.o1.ts	Method	TBLASTX:Soybean
Start	2797	End	3204
GI	none	Score	120
Exons	2797..3075, 2825..3061, 3094..3204		

Seq. No.	56925	Seq. ID	OJ000113_07.0426.C8
Gene No.	119089	Strand	-
Start	754	End	4534

Name	OJ000113_07.0426.C8.o2.tw	Method	TBLASTX:Wheat
Start	2821	End	3505
GI	none	Score	40
Exons	2821..2946, 2864..2950, 2953..3072, 2966..3055, 3091..3192, 3206..3505, 3216..3416		

Seq. No.	56925	Seq. ID	OJ000113_07.0426.C8
Gene No.	119089	Strand	-
Start	754	End	4534
Name	OJ000113_07.0426.C8.o4.ts	Method	TBLASTX:Soybean
Start	3206	End	3433
GI	none	Score	126
Exons	3206..3379, 3210..3380, 3211..3417, 3378..3428, 3386..3433		

Seq. No.	56926	Seq. ID	OJ000113_07.0426.C9
Gene No.	119090	Strand	+
Start	1764	End	2057
Name	OJ000113_07.0426.C9.o1.gs	Method	GENSCAN
Start	1764	End	2057
GI	none	Score	.79
Exons	1764..2057		

Seq. No.	56926	Seq. ID	OJ000113_07.0426.C9
Gene No.	119091	Strand	+
Start	3170	End	5504
Name	OJ000113_07.0426.C9.o2.gs	Method	GENSCAN
Start	3170	End	5504
GI	none	Score	.61
Exons	3170..3495, 3531..3687, 3704..3921, 4055..4107, 5203..5504		

Seq. No.	56926	Seq. ID	OJ000113_07.0426.C9
Gene No.	119092	Strand	+
Start	5908	End	6313
Name	OJ000113_07.0426.C9.o3.gs	Method	GENSCAN
Start	5908	End	6313
GI	none	Score	.87
Exons	5908..6009, 6186..6313		

Seq. No.	56926	Seq. ID	OJ000113_07.0426.C9
Gene No.	119093	Strand	-
Start	4590	End	6710
Name	OJ000113_07.0426.C9.o1.np	Method	AAT/NAP
Start	4590	End	6710
GI	7523517	Score	271
Exons	4590..4632, 6200..6249, 6400..6710		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	56927	Seq. ID	OJ000113_07.0426.C10
Gene No.	119094	Strand	+
Start	42	End	293
Name	OJ000113_07.0426.C10.o1.gs	Method	GENSCAN
Start	42	End	293
GI	none	Score	.98
Exons	42..293		

Seq. No.	56927	Seq. ID	OJ000113_07.0426.C10
Gene No.	119095	Strand	+

Start	1038	End	1161
Name	OJ000113_07.0426.C10.o1.gp	Method	AAT/GAP
Start	1038	End	1161
GI	LIB3431-028-P1-N1-A10	Score	156
Exons	1038..1108, 1136..1161		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	56928	Seq. ID	OJ000103_06.0426.C1
Gene No.	119096	Strand	-
Start	340	End	522
Name	OJ000103_06.0426.C1.o1.gs	Method	GENSCAN
Start	340	End	522
GI	none	Score	.59
Exons	340..522		

Seq. No.	56929	Seq. ID	OJ000103_06.0426.C4
Gene No.	119097	Strand	+
Start	3300	End	3700
Name	OJ000103_06.0426.C4.o1.gp	Method	AAT/GAP
Start	3300	End	3700
GI	3106733	Score	646
Exons	3300..3700		

Seq. No.	56929	Seq. ID	OJ000103_06.0426.C4
Gene No.	119098	Strand	-
Start	1	End	2555
Name	OJ000103_06.0426.C4.o1.np	Method	AAT/NAP
Start	1	End	2366
GI	6056374	Score	153
Exons	1..121, 2137..2366		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	56929	Seq. ID	OJ000103_06.0426.C4
Gene No.	119098	Strand	-
Start	1	End	2555
Name	OJ000103_06.0426.C4.o2.gs	Method	GENSCAN
Start	2089	End	2555
GI	none	Score	.69
Exons	2089..2092, 2137..2323, 2435..2555		

Seq. No.	56929	Seq. ID	OJ000103_06.0426.C4
Gene No.	119099	Strand	-
Start	3549	End	6137
Name	OJ000103_06.0426.C4.o3.gs	Method	GENSCAN
Start	3549	End	6137
GI	none	Score	.89
Exons	3549..3992, 4339..6137		

Seq. No.	56929	Seq. ID	OJ000103_06.0426.C4
Gene No.	119099	Strand	-
Start	3549	End	6137
Name	OJ000103_06.0426.C4.o1.tc	Method	TBLASTX:Cress
Start	3894	End	5580
GI	none	Score	355
Exons	3894..3992, 4107..4226, 4495..4674, 4871..4948, 4939..5580		

Seq. No.	56929	Seq. ID	OJ000103_06.0426.C4
Gene No.	119099	Strand	-
Start	3549	End	6137
Name	OJ000103_06.0426.C4.o1.ts	Method	TBLASTX:Soybean
Start	3906	End	4233
GI	none	Score	44
Exons	3906..3998, 3914..4024, 3924..3995, 4107..4232, 4108..4233, 4110..4232		

Seq. No.	56929	Seq. ID	OJ000103_06.0426.C4
Gene No.	119099	Strand	-
Start	3549	End	6137
Name	OJ000103_06.0426.C4.o2.np	Method	AAT/NAP
Start	4708	End	6071
GI	4538624	Score	555
Exons	4708..6071		
GI Descrip.	(AJ133502) hypothetical protein [Nicotiana tabacum]		

Seq. No.	56929	Seq. ID	OJ000103_06.0426.C4
Gene No.	119099	Strand	-
Start	3549	End	6137
Name	OJ000103_06.0426.C4.o2.ts	Method	TBLASTX:Soybean
Start	5058	End	5313
GI	none	Score	75
Exons	5058..5207, 5059..5313, 5119..5283		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119100	Strand	+
Start	740	End	7970
Name	OJ000103_06.0426.C5.o1.gs	Method	GENSCAN
Start	740	End	7970
GI	none	Score	.85
Exons	740..1505, 1544..1572, 1799..6281, 7009..7301, 7484..7606, 7863..7970		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119100	Strand	+
Start	740	End	7970
Name	OJ000103_06.0426.C5.o1.gp	Method	AAT/GAP
Start	1015	End	1469
GI	95437_1.R1084	Score	774
Exons	1015..1469		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119100	Strand	+
Start	740	End	7970
Name	OJ000103_06.0426.C5.o1.np	Method	AAT/NAP
Start	1796	End	6295
GI	4680179	Score	5453
Exons	1796..2860, 2894..6295		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5

Gene No.	119101	Strand	+
Start	8388	End	8773
Name	OJ000103_06.0426.C5.o2.gp	Method	AAT/GAP
Start	8388	End	8773
GI	uG-osflcyp033a04b1	Score	637
Exons	8388..8773		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119102	Strand	+
Start	20083	End	26172
Name	OJ000103_06.0426.C5.o3.gs	Method	GENSCAN
Start	20083	End	26172
GI	none	Score	.42
Exons	20083..21855, 22000..22994, 23091..26172		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119102	Strand	+
Start	20083	End	26172
Name	OJ000103_06.0426.C5.o5.np	Method	AAT/NAP
Start	20083	End	26136
GI	5922631	Score	6680
Exons	20083..20207, 20466..20704, 20939..21141, 21187..21758, 21801..21952, 22079..23002, 23609..26136		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) '[Oryza sativ		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119103	Strand	+
Start	30744	End	30892
Name	OJ000103_06.0426.C5.o5.gp	Method	AAT/GAP
Start	30744	End	30892
GI	uC-osflcyp177g01a1	Score	236
Exons	30744..30892		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119104	Strand	-
Start	1918	End	14898
Name	OJ000103_06.0426.C5.o2.np	Method	AAT/NAP
Start	1918	End	12278
GI	5852180	Score	610
Exons	1918..1957, 7044..7459, 7511..7627, 8622..8674, 12254..12278		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119104	Strand	-
Start	1918	End	14898
Name	OJ000103_06.0426.C5.o3.np	Method	AAT/NAP
Start	6489	End	12126

GI	6907104	Score	242
Exons	6489..6516, 6591..6789, 6854..7384, 8632..8740, 9813..9917, 11738..11786, 11968..12126		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119104	Strand	-
Start	1918	End	14898
Name	OJ000103_06.0426.C5.o2.gs	Method	GENSCAN
Start	9193	End	13994
GI	none	Score	.46
Exons	9193..9406, 9632..9868, 12153..12366, 13988..13994		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119104	Strand	-
Start	1918	End	14898
Name	OJ000103_06.0426.C5.o4.np	Method	AAT/NAP
Start	13019	End	14898
GI	7523502	Score	162
Exons	13019..13043, 13766..13804, 14352..14513, 14805..14898		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o10.tw	Method	TBLASTX:Wheat
Start	2012	End	2374
GI	none	Score	295
Exons	2012..2374, 2014..2373		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o8.tm	Method	TBLASTX:Maize
Start	2255	End	2560
GI	none	Score	232
Exons	2255..2560, 2269..2385		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o10.tm	Method	TBLASTX:Maize
Start	2885	End	3238
GI	none	Score	190
Exons	2885..3238		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o13.tw	Method	TBLASTX:Wheat
Start	2921	End	3343
GI	none	Score	162
Exons	2921..3130, 2977..3129, 3175..3288, 3176..3343		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733

Name	OJ000103_06.0426.C5.o4.tw	Method	TBLASTX:Wheat
Start	3590	End	23475
GI	none	Score	133
Exons	3590..3808, 23019..23474, 23020..23475		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o6.tm	Method	TBLASTX:Maize
Start	3590	End	23478
GI	none	Score	155
Exons	3590..3820, 23149..23478, 23190..23477		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o4.ts	Method	TBLASTX:Soybean
Start	3635	End	23424
GI	none	Score	107
Exons	3635..3769, 23059..23283, 23290..23424		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o15.tw	Method	TBLASTX:Wheat
Start	3818	End	3937
GI	none	Score	187
Exons	3818..3937, 3826..3936		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o4.tm	Method	TBLASTX:Maize
Start	3827	End	23982
GI	none	Score	167
Exons	3827..4006, 3835..3981, 4013..4327, 4153..4206, 4234..4284, 23482..23586, 23635..23982		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o1.ts	Method	TBLASTX:Soybean
Start	3881	End	23931
GI	none	Score	57
Exons	3881..3913, 3883..3912, 3917..4276, 3919..3957, 3985..4275, 23647..23931		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o5.tw	Method	TBLASTX:Wheat
Start	3938	End	24014
GI	none	Score	160
Exons	3938..4291, 23590..24009, 23634..24014		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-

Start	26489	End	29733
Name	OJ000103_06.0426.C5.o3.tw	Method	TBLASTX:Wheat
Start	4292	End	4714
GI	none	Score	598
Exons	4292..4714, 4324..4713		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o5.ts	Method	TBLASTX:Soybean
Start	4298	End	4543
GI	none	Score	207
Exons	4298..4543		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o2.tm	Method	TBLASTX:Maize
Start	4363	End	4726
GI	none	Score	478
Exons	4363..4713, 4364..4717, 4364..4726		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o2.tw	Method	TBLASTX:Wheat
Start	4717	End	5284
GI	none	Score	650
Exons	4717..5280, 4748..5284		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o1.tc	Method	TBLASTX:Cress
Start	4991	End	5308
GI	none	Score	90
Exons	4991..5164, 5165..5308, 5167..5307		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o2.ts	Method	TBLASTX:Soybean
Start	5072	End	5332
GI	none	Score	297
Exons	5072..5332, 5077..5331		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o5.tm	Method	TBLASTX:Maize
Start	5130	End	5422
GI	none	Score	87
Exons	5130..5282, 5131..5418, 5132..5422		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733

Name	OJ000103_06.0426.C5.o1.tw	Method	TBLASTX:Wheat
Start	5291	End	25803
GI	none	Score	708
Exons	5291..5917, 5347..5805, 5792..5914, 25474..25665, 25693..25803		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o1.tm	Method	TBLASTX:Maize
Start	5471	End	6070
GI	none	Score	231
Exons	5471..5632, 5479..5625, 5630..6070, 5632..6054, 5792..6055		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o9.tw	Method	TBLASTX:Wheat
Start	5917	End	6250
GI	none	Score	328
Exons	5917..6186, 5918..6250, 5921..6229		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o14.tw	Method	TBLASTX:Wheat
Start	12101	End	29308
GI	none	Score	57
Exons	12101..12172, 29018..29308		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o11.tw	Method	TBLASTX:Wheat
Start	21363	End	21765
GI	none	Score	293
Exons	21363..21632, 21364..21765		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o8.tw	Method	TBLASTX:Wheat
Start	22342	End	22799
GI	none	Score	149
Exons	22342..22518, 22563..22799, 22567..22797		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o12.tw	Method	TBLASTX:Wheat
Start	24018	End	24303
GI	none	Score	277
Exons	24018..24095, 24019..24300, 24052..24303		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o3.ts	Method	TBLASTX:Soybean

Start	24295	End	24683
GI	none	Score	86
Exons	24295..24399, 24303..24389, 24435..24512, 24439..24681, 24564..24683		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o7.tw	Method	TBLASTX:Wheat
Start	24304	End	24726
GI	none	Score	410
Exons	24304..24726, 24312..24716		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o9.tm	Method	TBLASTX:Maize
Start	24556	End	24810
GI	none	Score	193
Exons	24556..24810		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o17.tw	Method	TBLASTX:Wheat
Start	24742	End	25041
GI	none	Score	130
Exons	24742..24876, 24901..25041		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o3.tm	Method	TBLASTX:Maize
Start	25038	End	25401
GI	none	Score	449
Exons	25038..25349, 25039..25362, 25059..25382, 25353..25400, 25354..25401		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o6.tw	Method	TBLASTX:Wheat
Start	25044	End	25431
GI	none	Score	417
Exons	25044..25355, 25045..25431, 25246..25431		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o7.tm	Method	TBLASTX:Maize
Start	25888	End	26121
GI	none	Score	152
Exons	25888..26040, 25915..26013, 26019..26105, 26020..26121		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733

Name	OJ000103_06.0426.C5.o16.tw	Method	TBLASTX:Wheat
Start	25924	End	26175
GI	none	Score	172
Exons	25924..26103, 26137..26175		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o4.gs	Method	GENSCAN
Start	26489	End	29733
GI	none	Score	.9
Exons	26489..26937, 27010..27114, 27186..27375, 27451..27638, 27713..28123, 28157..28325, 28544..29467, 29555..29579, 29702..29733		

Seq. No.	56930	Seq. ID	OJ000103_06.0426.C5
Gene No.	119105	Strand	-
Start	26489	End	29733
Name	OJ000103_06.0426.C5.o6.np	Method	AAT/NAP
Start	26492	End	29428
GI	6691716	Score	2373
Exons	26492..26937, 27010..27126, 27276..27375, 27451..27638, 27713..27889, 27984..28089, 28171..28360, 28558..29428		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	56931	Seq. ID	OJ000103_06.0426.C7
Gene No.	119106	Strand	-
Start	1146	End	2423
Name	OJ000103_06.0426.C7.o2.tm	Method	TBLASTX:Maize
Start	654	End	1299
GI	none	Score	62
Exons	654..758, 654..752, 660..752, 669..776, 725..760, 781..894, 795..878, 816..917, 816..905, 817..885, 824..919, 827..916, 830..907, 830..913, 830..898, 831..908, 836..916, 938..1063, 938..1060, 942..1094, 942..1061, 948..1109, 949..1056, 956..1060, 959..1060, 960..1094, 961..1056, 963..1085, 964..1062, 970..1062, 1086..1226, 1093..1227, 1103..1222, 1104..1256, 1104..1259, 1105..1263, 1111..1257, 1115..1225, 1116..1277, 1118..1270, 1119..1271, 1135..1299, 1206..1298, 1207..1299		

Seq. No.	56931	Seq. ID	OJ000103_06.0426.C7
Gene No.	119106	Strand	-
Start	1146	End	2423
Name	OJ000103_06.0426.C7.o1.gs	Method	GENSCAN
Start	1146	End	2112
GI	none	Score	.84
Exons	1146..1283, 1936..2112		

Seq. No.	56931	Seq. ID	OJ000103_06.0426.C7
Gene No.	119106	Strand	-
Start	1146	End	2423
Name	OJ000103_06.0426.C7.o1.np	Method	AAT/NAP
Start	1374	End	2423
GI	6056374	Score	151

Exons	1374..1469, 1838..2112, 2403..2423		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		
Seq. No.	56931	Seq. ID	OJ000103_06.0426.C7
Gene No.	119106	Strand	-
Start	1146	End	2423
Name	OJ000103_06.0426.C7.o1.gp	Method	AAT/GAP
Start	1526	End	1602
GI	none	Score	115
Exons	1526..1602		
Seq. No.	56931	Seq. ID	OJ000103_06.0426.C7
Gene No.	119106	Strand	-
Start	1146	End	2423
Name	OJ000103_06.0426.C7.o1.tw	Method	TBLASTX:Wheat
Start	1876	End	2101
GI	none	Score	187
Exons	1876..2100, 1880..2101		
Seq. No.	56931	Seq. ID	OJ000103_06.0426.C7
Gene No.	119106	Strand	-
Start	1146	End	2423
Name	OJ000103_06.0426.C7.o1.tc	Method	TBLASTX:Cress
Start	1882	End	2112
GI	none	Score	91
Exons	1882..2112, 1898..2053		
Seq. No.	56931	Seq. ID	OJ000103_06.0426.C7
Gene No.	119106	Strand	-
Start	1146	End	2423
Name	OJ000103_06.0426.C7.o1.tm	Method	TBLASTX:Maize
Start	1912	End	2125
GI	none	Score	131
Exons	1912..2124, 1913..2125		
Seq. No.	56932	Seq. ID	OJ000103_06.0426.C8
Gene No.	119107	Strand	-
Start	1	End	6416
Name	OJ000103_06.0426.C8.o1.np	Method	AAT/NAP
Start	1	End	3790
GI	6056372	Score	1002
Exons	1..260, 361..479, 562..720, 793..991, 1074..1453, 1580..1641, 1734..1778, 1850..1915, 2014..2079, 2174..2269, 2465..2580, 2677..2748, 3024..3095, 3178..3249, 3705..3790		
GI Descrip.	(AC009894) Very similar to receptor-like serine/threonine kinase [Arabidopsis thaliana]		
Seq. No.	56932	Seq. ID	OJ000103_06.0426.C8
Gene No.	119107	Strand	-
Start	1	End	6416
Name	OJ000103_06.0426.C8.o1.ts	Method	TBLASTX:Soybean
Start	8	End	480
GI	none	Score	231
Exons	8..205, 10..246, 45..269, 49..261, 361..480		
Seq. No.	56932	Seq. ID	OJ000103_06.0426.C8

Gene No.	119107	Strand	-
Start	1	End	6416
Name	OJ000103_06.0426.C8.o2.tc	Method	TBLASTX:Cress
Start	39	End	3439
GI	none	Score	114
Exons	39..263, 67..261, 75..263, 355..507, 356..511, 3347..3439		

Seq. No.	56932	Seq. ID	OJ000103_06.0426.C8
Gene No.	119107	Strand	-
Start	1	End	6416
Name	OJ000103_06.0426.C8.o1.tm	Method	TBLASTX:Maize
Start	48	End	721
GI	none	Score	218
Exons	48..269, 49..261, 361..492, 368..481, 563..688, 677..721		

Seq. No.	56932	Seq. ID	OJ000103_06.0426.C8
Gene No.	119107	Strand	-
Start	1	End	6416
Name	OJ000103_06.0426.C8.o1.gs	Method	GENSCAN
Start	50	End	6416
GI	none	Score	.77
Exons	50..260, 361..479, 562..720, 745..991, 1074..1453, 2271..2422, 3024..3095, 4735..4806, 6370..6416		

Seq. No.	56932	Seq. ID	OJ000103_06.0426.C8
Gene No.	119107	Strand	-
Start	1	End	6416
Name	OJ000103_06.0426.C8.o1.tw	Method	TBLASTX:Wheat
Start	66	End	435
GI	none	Score	88
Exons	66..269, 67..189, 361..435		

Seq. No.	56932	Seq. ID	OJ000103_06.0426.C8
Gene No.	119107	Strand	-
Start	1	End	6416
Name	OJ000103_06.0426.C8.o1.tc	Method	TBLASTX:Cress
Start	794	End	1280
GI	none	Score	122
Exons	794..991, 795..1013, 1074..1280, 1075..1164		

Seq. No.	56932	Seq. ID	OJ000103_06.0426.C8
Gene No.	119107	Strand	-
Start	1	End	6416
Name	OJ000103_06.0426.C8.o2.ts	Method	TBLASTX:Soybean
Start	794	End	1235
GI	none	Score	58
Exons	794..931, 795..980, 944..991, 1074..1235		

Seq. No.	56932	Seq. ID	OJ000103_06.0426.C8
Gene No.	119107	Strand	-
Start	1	End	6416
Name	OJ000103_06.0426.C8.o2.tm	Method	TBLASTX:Maize
Start	827	End	1335
GI	none	Score	160
Exons	827..991, 828..1013, 1072..1281, 1073..1288, 1074..1331, 1086..1331, 1195..1335		

Seq. No.	56933	Seq. ID	OJ000103_06.0426.C9
Gene No.	119108	Strand	-
Start	1	End	495
Name	OJ000103_06.0426.C9.o1.np	Method	AAT/NAP
Start	1	End	495
GI	6056374	Score	127
Exons	1..43, 230..495		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	56933	Seq. ID	OJ000103_06.0426.C9
Gene No.	119108	Strand	-
Start	1	End	495
Name	OJ000103_06.0426.C9.o1.gs	Method	GENSCAN
Start	269	End	432
GI	none	Score	.88
Exons	269..432		

Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119109	Strand	+
Start	192	End	1550
Name	OJ000103_06.0426.C11.o1.gs	Method	GENSCAN
Start	192	End	1550
GI	none	Score	.93
Exons	192..219, 919..1550		

Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119110	Strand	+
Start	8556	End	11105
Name	OJ000103_06.0426.C11.o3.gs	Method	GENSCAN
Start	8556	End	11105
GI	none	Score	.46
Exons	8556..8591, 8622..8687, 9732..9803, 10845..11105		

Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119110	Strand	+
Start	8556	End	11105
Name	OJ000103_06.0426.C11.o2.np	Method	AAT/NAP
Start	9780	End	10178
GI	1575556	Score	144
Exons	9780..10178		
GI Descrip.	(U66299) acyl-CoA oxidase homolog [Phalaenopsis sp. 'True Lady']		

Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119111	Strand	+
Start	11643	End	12807
Name	OJ000103_06.0426.C11.o4.gs	Method	GENSCAN
Start	11643	End	12807
GI	none	Score	.74
Exons	11643..11683, 11745..11939, 12678..12807		

Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119112	Strand	+
Start	16963	End	17947
Name	OJ000103_06.0426.C11.o6.gs	Method	GENSCAN
Start	16963	End	17947
GI	none	Score	.66

Exons	16963..17019, 17702..17947		
Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119113	Strand	-
Start	1921	End	7860
Name	OJ000103_06.0426.C11.o2.gs	Method	GENSCAN
Start	1921	End	7860
GI	none	Score	.8
Exons	1921..2138, 2221..2326, 2520..2595, 3549..3668, 4930..5009, 5127..5213, 5856..5945, 6050..6169, 6732..6878, 7019..7065, 7461..7860		
Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119113	Strand	-
Start	1921	End	7860
Name	OJ000103_06.0426.C11.o1.np	Method	AAT/NAP
Start	3504	End	7860
GI	3702321	Score	1174
Exons	3504..3576, 4930..5009, 5127..5213, 5856..5945, 6050..6169, 6732..6859, 7461..7860		
GI Descrip.	(AC005397) eukaryotic translation initiation factor 3 delta subunit [Arabidopsis thaliana]		
Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119113	Strand	-
Start	1921	End	7860
Name	OJ000103_06.0426.C11.o1.gp	Method	AAT/GAP
Start	4740	End	6133
GI	11827_1.R1084	Score	974
Exons	4740..5009, 5127..5213, 5856..5945, 6050..6133		
GI Descrip.	'3702321 7.0e-26 (AC005397) putative TGF-beta receptor interacting protein [Arabidopsis thaliana]'		
Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119113	Strand	-
Start	1921	End	7860
Name	OJ000103_06.0426.C11.o2.gp	Method	AAT/GAP
Start	7461	End	7550
GI	2311023	Score	147
Exons	7461..7550		
GI Descrip.	3702321 7.0e-26 (AC005397) putative TGF-beta receptor interacting protein [Arabidopsis thaliana]		
Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119114	Strand	-
Start	13323	End	16479
Name	OJ000103_06.0426.C11.o1.tc	Method	TBLASTX:Cress
Start	3485	End	7864
GI	none	Score	100
Exons	3485..3574, 3499..3579, 3501..3578, 4930..4992, 4932..5021, 4938..5021, 5124..5225, 5134..5214, 5853..5945, 6047..6196, 6732..6824, 6733..6819, 7459..7863, 7478..7864, 7555..7713, 7726..7788		
Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119114	Strand	-
Start	13323	End	16479

Name	OJ000103_06.0426.C11.o2.ts	Method	TBLASTX:Soybean
Start	3498	End	5226
GI	none	Score	78
Exons	3498..3569, 3501..3578, 3505..3579, 4892..5011, 4930..4992, 4932..5021, 4935..5012, 4937..5038, 5124..5225, 5134..5226		

Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119114	Strand	-
Start	13323	End	16479
Name	OJ000103_06.0426.C11.o3.tm	Method	TBLASTX:Maize
Start	3528	End	6188
GI	none	Score	67
Exons	3528..3569, 3528..3575, 3529..3576, 4931..5017, 4932..5024, 4932..5021, 5124..5213, 5124..5213, 5126..5218, 5137..5214, 5853..5945, 5863..5946, 5869..5955, 5894..5953, 6047..6184, 6048..6188		

Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119114	Strand	-
Start	13323	End	16479
Name	OJ000103_06.0426.C11.o1.ts	Method	TBLASTX:Soybean
Start	5887	End	7864
GI	none	Score	71
Exons	5887..5955, 5889..5945, 6047..6184, 6048..6188, 6732..6836, 6733..6822, 7459..7863, 7478..7864, 7576..7716		

Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119114	Strand	-
Start	13323	End	16479
Name	OJ000103_06.0426.C11.o2.tw	Method	TBLASTX:Wheat
Start	6047	End	7503
GI	none	Score	148
Exons	6047..6184, 6048..6188, 6731..6781, 6732..6836, 6734..6856, 6781..6837, 6903..6965, 7458..7502, 7459..7503		

Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119114	Strand	-
Start	13323	End	16479
Name	OJ000103_06.0426.C11.o1.tm	Method	TBLASTX:Maize
Start	6726	End	7861
GI	none	Score	152
Exons	6726..6866, 6732..6836, 6890..6964, 6903..6965, 7459..7860, 7461..7532, 7478..7861		

Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119114	Strand	-
Start	13323	End	16479
Name	OJ000103_06.0426.C11.o1.tw	Method	TBLASTX:Wheat
Start	7504	End	7920
GI	none	Score	491
Exons	7504..7863, 7511..7861, 7822..7863, 7900..7920		

Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119114	Strand	-
Start	13323	End	16479
Name	OJ000103_06.0426.C11.o5.gs	Method	GENSCAN
Start	13323	End	16479

GI	none	Score	.64
Exons	13323..13686, 14400..14623, 15036..15277, 15336..15416, 15523..15980, 16070..16479		
Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119114	Strand	-
Start	13323	End	16479
Name	OJ000103_06.0426.C11.o3.np	Method	AAT/NAP
Start	13347	End	16461
GI	7487214	Score	1054
Exons	13347..13516, 13601..14010, 14400..14623, 15036..15268, 15490..15882, 16003..16461		
GI Descrip.	hypothetical protein T19P19.180 - Arabidopsis thaliana gi|3080448|emb|CAA18765.1| (AL022605) putative protein [Arabidopsis thaliana] gi|7270963|emb|CAB80642.1| (AL161595) putative protein [Arabidopsis thaliana]		
Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119114	Strand	-
Start	13323	End	16479
Name	OJ000103_06.0426.C11.o4.ts	Method	TBLASTX:Soybean
Start	13713	End	14001
GI	none	Score	109
Exons	13713..14000, 13777..14001		
Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119114	Strand	-
Start	13323	End	16479
Name	OJ000103_06.0426.C11.o3.ts	Method	TBLASTX:Soybean
Start	14399	End	14611
GI	none	Score	207
Exons	14399..14611		
Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119114	Strand	-
Start	13323	End	16479
Name	OJ000103_06.0426.C11.o2.tm	Method	TBLASTX:Maize
Start	14402	End	15712
GI	none	Score	244
Exons	14402..14626, 14402..14623, 14406..14624, 14999..15253, 15029..15154, 15034..15252, 15036..15254, 15037..15255, 15327..15428, 15333..15425, 15337..15441, 15521..15709, 15521..15712		
Seq. No.	56934	Seq. ID	OJ000103_06.0426.C11
Gene No.	119114	Strand	-
Start	13323	End	16479
Name	OJ000103_06.0426.C11.o4.tm	Method	TBLASTX:Maize
Start	16001	End	16279
GI	none	Score	129
Exons	16001..16102, 16004..16102, 16005..16106, 16105..16176, 16106..16174, 16165..16266, 16166..16279, 16187..16279		
Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119115	Strand	+
Start	23	End	885
Name	OJ000103_06.0426.C12.o1.gs	Method	GENSCAN

Start	23	End	885
GI	none	Score	.48
Exons	23..123, 792..885		

Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119116	Strand	+
Start	1064	End	1517
Name	OJ000103_06.0426.C12.o1.gp	Method	AAT/GAP
Start	1064	End	1517
GI	5002947	Score	869
Exons	1064..1517		

Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119117	Strand	+
Start	6385	End	18239
Name	OJ000103_06.0426.C12.o3.gs	Method	GENSCAN
Start	6385	End	17478
GI	none	Score	.52
Exons	6385..6445, 6715..7119, 7228..7391, 11040..11267, 11699..11751, 12045..12252, 12380..12471, 12514..12631, 14433..15254, 15263..16567, 16888..17478		

Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119117	Strand	+
Start	6385	End	18239
Name	OJ000103_06.0426.C12.o3.gp	Method	AAT/GAP
Start	10553	End	11179
GI	2310235	Score	293
Exons	10553..10590, 11040..11179		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119117	Strand	+
Start	6385	End	18239
Name	OJ000103_06.0426.C12.o2.np	Method	AAT/NAP
Start	11041	End	17457
GI	4680203	Score	3184
Exons	11041..11324, 14422..15820, 15974..16198, 16475..17457		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119117	Strand	+
Start	6385	End	18239
Name	OJ000103_06.0426.C12.o4.gp	Method	AAT/GAP
Start	14429	End	18239
GI	342_1.R1084	Score	6407
Exons	14429..17550, 17586..17605, 17684..18239		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119118	Strand	-
Start	1445	End	4803
Name	OJ000103_06.0426.C12.o2.gs	Method	GENSCAN
Start	1445	End	4555
GI	none	Score	.88

Exons	1445..1554, 1629..1726, 2180..2322, 2549..2623, 4472..4555		
Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119118	Strand	-
Start	1445	End	4803
Name	OJ000103_06.0426.C12.o1.np	Method	AAT/NAP
Start	1448	End	4501
GI	7485705	Score	609
Exons	1448..1593, 1629..1726, 1869..1930, 2014..2086, 2180..2322, 2398..2445, 2549..2623, 4472..4501		
GI Descrip.	hypothetical protein F18B3.240 - Arabidopsis thaliana gi|4835247|emb|CAB42925.1| (AL049862) putative tRNA synthetase [Arabidopsis thaliana]		
Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119118	Strand	-
Start	1445	End	4803
Name	OJ000103_06.0426.C12.o2.gp	Method	AAT/GAP
Start	2180	End	4803
GI	19004_1.R1084	Score	1122
Exons	2180..2322, 2398..2445, 2549..2623, 4472..4803		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		
Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119119	Strand	-
Start	17097	End	17541
Name	OJ000103_06.0426.C12.o2.ts	Method	TBLASTX:Soybean
Start	770	End	15200
GI	none	Score	62
Exons	770..856, 14771..14854, 14772..14846, 14904..15200, 14936..15187		
Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119119	Strand	-
Start	17097	End	17541
Name	OJ000103_06.0426.C12.o1.tm	Method	TBLASTX:Maize
Start	1446	End	4559
GI	none	Score	72
Exons	1446..1496, 1624..1725, 1625..1735, 1627..1740, 1845..1946, 1868..1933, 2008..2085, 2010..2084, 2014..2088, 2015..2089, 2168..2332, 2179..2364, 2381..2446, 2383..2448, 2398..2445, 2548..2586, 2549..2626, 2579..2623, 4467..4559, 4472..4555		
Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119119	Strand	-
Start	17097	End	17541
Name	OJ000103_06.0426.C12.o1.tc	Method	TBLASTX:Cress
Start	1619	End	4562
GI	none	Score	88
Exons	1619..1729, 1627..1740, 1869..1970, 1871..1933, 2014..2088, 2015..2089, 2179..2364, 2180..2332, 2384..2446, 2398..2445, 2548..2571, 2548..2574, 2558..2626, 4470..4562, 4472..4555		
Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119119	Strand	-
Start	17097	End	17541
Name	OJ000103_06.0426.C12.o1.ts	Method	TBLASTX:Soybean

Start	1625	End	2296
GI	none	Score	98
Exons	1625..1738, 1627..1740, 1868..1933, 1869..1952, 2014..2088, 2015..2089, 2179..2295, 2180..2296		

Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119119	Strand	-
Start	17097	End	17541
Name	OJ000103_06.0426.C12.o4.tw	Method	TBLASTX:Wheat
Start	14454	End	14850
GI	none	Score	95
Exons	14454..14606, 14530..14592, 14597..14839, 14598..14840, 14600..14842, 14608..14850		

Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119119	Strand	-
Start	17097	End	17541
Name	OJ000103_06.0426.C12.o3.tc	Method	TBLASTX:Cress
Start	14933	End	15248
GI	none	Score	282
Exons	14933..15085, 14940..15248, 15125..15220		

Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119119	Strand	-
Start	17097	End	17541
Name	OJ000103_06.0426.C12.o2.tw	Method	TBLASTX:Wheat
Start	15069	End	15537
GI	none	Score	72
Exons	15069..15122, 15077..15121, 15123..15227, 15134..15223, 15241..15327, 15242..15328, 15308..15532, 15331..15537		

Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119119	Strand	-
Start	17097	End	17541
Name	OJ000103_06.0426.C12.o2.tm	Method	TBLASTX:Maize
Start	15126	End	15571
GI	none	Score	107
Exons	15126..15248, 15242..15367, 15377..15571		

Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119119	Strand	-
Start	17097	End	17541
Name	OJ000103_06.0426.C12.o3.ts	Method	TBLASTX:Soybean
Start	15401	End	15643
GI	none	Score	209
Exons	15401..15643		

Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119119	Strand	-
Start	17097	End	17541
Name	OJ000103_06.0426.C12.o3.tw	Method	TBLASTX:Wheat
Start	15676	End	16086
GI	none	Score	87
Exons	15676..15726, 15677..15739, 15725..15967, 15745..15921, 15995..16084, 16000..16086, 16001..16084		

Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12

Gene No.	119119	Strand	-
Start	17097	End	17541
Name	OJ000103_06.0426.C12.o3.tm	Method	TBLASTX:Maize
Start	16001	End	16477
GI	none	Score	283
Exons	16001..16477, 16139..16216, 16270..16407		

Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119119	Strand	-
Start	17097	End	17541
Name	OJ000103_06.0426.C12.o1.tw	Method	TBLASTX:Wheat
Start	16087	End	17403
GI	none	Score	568
Exons	16087..16692, 16088..16684, 16681..16971, 16684..17004, 16692..16988, 16979..17038, 16999..17043, 17002..17043, 17046..17141, 17050..17109, 17088..17228, 17089..17229, 17242..17322, 17287..17403		

Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119119	Strand	-
Start	17097	End	17541
Name	OJ000103_06.0426.C12.o2.tc	Method	TBLASTX:Cress
Start	16371	End	16821
GI	none	Score	125
Exons	16371..16526, 16375..16683, 16375..16692, 16379..16684, 16681..16821, 16684..16821		

Seq. No.	56935	Seq. ID	OJ000103_06.0426.C12
Gene No.	119119	Strand	-
Start	17097	End	17541
Name	OJ000103_06.0426.C12.o5.gp	Method	AAT/GAP
Start	17097	End	17541
GI	LIB3431-028-P1-N1-A10	Score	754
Exons	17097..17443, 17471..17541		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119120	Strand	+
Start	1003	End	3408
Name	OJ000103_06.0426.C13.o1.gs	Method	GENSCAN
Start	1003	End	3408
GI	none	Score	.52
Exons	1003..1122, 1405..1542, 2081..2140, 2812..3408		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o2.gs	Method	GENSCAN
Start	4383	End	8960
GI	none	Score	.8
Exons	4383..6257, 6354..8960		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o8.tm	Method	TBLASTX:Maize

Start	4410	End	4622
GI	none	Score	187
Exons	4410..4622		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o6.tw	Method	TBLASTX:Wheat
Start	4431	End	4764
GI	none	Score	98
Exons	4431..4763, 4495..4764		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o1.tm	Method	TBLASTX:Maize
Start	4623	End	5210
GI	none	Score	131
Exons	4623..5051, 4624..4884, 4954..5049, 4983..5051, 5049..5210, 5056..5202, 5058..5204		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o1.tw	Method	TBLASTX:Wheat
Start	4764	End	5390
GI	none	Score	341
Exons	4764..5390, 4765..5334		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o3.tm	Method	TBLASTX:Maize
Start	5259	End	5551
GI	none	Score	158
Exons	5259..5549, 5263..5448, 5268..5480, 5360..5551		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o2.ts	Method	TBLASTX:Soybean
Start	5349	End	5609
GI	none	Score	299
Exons	5349..5609		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o1.tc	Method	TBLASTX:Cress
Start	5373	End	5699
GI	none	Score	64
Exons	5373..5516, 5374..5451, 5517..5699		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o3.tw	Method	TBLASTX:Wheat

Start	5397	End	5876
GI	none	Score	219
Exons	5397..5876, 5398..5781, 5403..5858		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o2.tw	Method	TBLASTX:Wheat
Start	5880	End	6389
GI	none	Score	294
Exons	5880..6389, 5971..6357		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o2.tm	Method	TBLASTX:Maize
Start	5964	End	6317
GI	none	Score	135
Exons	5964..6317, 5979..6275, 6139..6315		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o3.ts	Method	TBLASTX:Soybean
Start	6138	End	6380
GI	none	Score	191
Exons	6138..6380		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o4.tm	Method	TBLASTX:Maize
Start	6354	End	6854
GI	none	Score	157
Exons	6354..6689, 6675..6854		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o5.tw	Method	TBLASTX:Wheat
Start	6390	End	6692
GI	none	Score	197
Exons	6390..6692, 6391..6654		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o1.ts	Method	TBLASTX:Soybean
Start	6405	End	6800
GI	none	Score	122
Exons	6405..6764, 6406..6648, 6623..6757, 6687..6761, 6768..6800, 6768..6800		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o4.tw	Method	TBLASTX:Wheat

Start	6741	End	7227
GI	none	Score	207
Exons	6741..7223, 6783..7223, 6784..7227		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o4.ts	Method	TBLASTX:Soybean
Start	6873	End	7154
GI	none	Score	65
Exons	6873..7154, 6883..7071		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o5.tm	Method	TBLASTX:Maize
Start	6922	End	7214
GI	none	Score	156
Exons	6922..7113, 6924..7214, 7141..7212		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o8.tw	Method	TBLASTX:Wheat
Start	7398	End	7752
GI	none	Score	79
Exons	7398..7751, 7434..7568, 7657..7752		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o7.tm	Method	TBLASTX:Maize
Start	7485	End	7805
GI	none	Score	199
Exons	7485..7805		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o6.tm	Method	TBLASTX:Maize
Start	8151	End	8447
GI	none	Score	112
Exons	8151..8447, 8260..8430		

Seq. No.	56936	Seq. ID	OJ000103_06.0426.C13
Gene No.	119121	Strand	-
Start	4383	End	8960
Name	OJ000103_06.0426.C13.o7.tw	Method	TBLASTX:Wheat
Start	8328	End	8691
GI	none	Score	53
Exons	8328..8474, 8328..8687, 8338..8562, 8587..8691		

Seq. No.	56937	Seq. ID	OJ000103_06.0426.C14
Gene No.	119122	Strand	+
Start	241	End	2539
Name	OJ000103_06.0426.C14.o1.np	Method	AAT/NAP
Start	241	End	2539

GI	4680204	Score	865
Exons	241..1474, 1571..2177, 2391..2539		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	56937	Seq. ID	OJ000103_06.0426.C14
Gene No.	119122	Strand	+
Start	241	End	2539
Name	OJ000103_06.0426.C14.o1.gs	Method	GENSCAN
Start	277	End	2528
GI	none	Score	.56
Exons	277..568, 605..1309, 1315..1474, 1571..1712, 1838..1980, 1982..2528		

Seq. No.	56937	Seq. ID	OJ000103_06.0426.C14
Gene No.	119123	Strand	-
Start	21	End	505
Name	OJ000103_06.0426.C14.o1.gp	Method	AAT/GAP
Start	21	End	505
GI	2310235	Score	385
Exons	21..66, 242..505		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	56937	Seq. ID	OJ000103_06.0426.C14
Gene No.	119124	Strand	
Start	429	End	1783
Name	OJ000103_06.0426.C14.o2.tw	Method	TBLASTX:Wheat
Start	429	End	1783
GI	none	Score	48
Exons	429..554, 1086..1166, 1086..1142, 1406..1480, 1564..1638, 1565..1783		

Seq. No.	56937	Seq. ID	OJ000103_06.0426.C14
Gene No.	119124	Strand	
Start	429	End	1783
Name	OJ000103_06.0426.C14.o1.tw	Method	TBLASTX:Wheat
Start	658	End	1085
GI	none	Score	64
Exons	658..792, 682..822, 684..920, 684..878, 785..952, 980..1084, 990..1085, 990..1085		

Seq. No.	56938	Seq. ID	OJ000103_06.0426.C15
Gene No.	119125	Strand	+
Start	164	End	1148
Name	OJ000103_06.0426.C15.o1.gs	Method	GENSCAN
Start	164	End	1148
GI	none	Score	.87
Exons	164..337, 627..699, 794..892, 972..1148		

Seq. No.	56938	Seq. ID	OJ000103_06.0426.C15
Gene No.	119126	Strand	-
Start	1737	End	3369
Name	OJ000103_06.0426.C15.o2.gs	Method	GENSCAN
Start	1737	End	3369
GI	none	Score	.51
Exons	1737..1800, 1841..2032, 2080..2161, 2575..2684, 3347..3369		

Seq. No.	56939	Seq. ID	OJ000103_06.0426.C16
Gene No.	119127	Strand	+
Start	442	End	542
Name	OJ000103_06.0426.C16.o1.np	Method	AAT/NAP
Start	442	End	542
GI	5922619	Score	115
Exons	442..542		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	56939	Seq. ID	OJ000103_06.0426.C16
Gene No.	119128	Strand	+
Start	4789	End	7711
Name	OJ000103_06.0426.C16.o2.gs	Method	GENSCAN
Start	4789	End	7682
GI	none	Score	.55
Exons	4789..5279, 5294..6173, 6287..6838, 6867..6928, 6955..7143, 7161..7682		

Seq. No.	56939	Seq. ID	OJ000103_06.0426.C16
Gene No.	119128	Strand	+
Start	4789	End	7711
Name	OJ000103_06.0426.C16.o3.np	Method	AAT/NAP
Start	4894	End	7711
GI	7228446	Score	1240
Exons	4894..6826, 6905..7711		
GI Descrip.	(AP001366) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative retroelement pol polyprotein. (AC006248) [Oryza sativa]		

Seq. No.	56939	Seq. ID	OJ000103_06.0426.C16
Gene No.	119129	Strand	-
Start	96	End	3842
Name	OJ000103_06.0426.C16.o1.gs	Method	GENSCAN
Start	96	End	3842
GI	none	Score	.52
Exons	96..116, 420..512, 628..700, 1031..1238, 1240..1367, 1560..1635, 1649..2007, 3627..3842		

Seq. No.	56939	Seq. ID	OJ000103_06.0426.C16
Gene No.	119129	Strand	-
Start	96	End	3842
Name	OJ000103_06.0426.C16.o2.ts	Method	TBLASTX:Soybean
Start	359	End	2058
GI	none	Score	58
Exons	359..436, 437..484, 1010..1237, 1125..1256, 1260..1370, 1266..1373, 1568..1606, 1571..1606, 1618..1689, 1708..1734, 1753..2049, 1754..2047, 1858..2058, 1888..2040		

Seq. No.	56939	Seq. ID	OJ000103_06.0426.C16
Gene No.	119129	Strand	-
Start	96	End	3842
Name	OJ000103_06.0426.C16.o4.tc	Method	TBLASTX:Cress
Start	1010	End	1325
GI	none	Score	100
Exons	1010..1237, 1032..1235, 1266..1325, 1267..1317		

Seq. No.	56939	Seq. ID	OJ000103_06.0426.C16
Gene No.	119129	Strand	-
Start	96	End	3842
Name	OJ000103_06.0426.C16.o2.np	Method	AAT/NAP
Start	1090	End	2081
GI	7445817	Score	388
Exons	1090..1367, 1568..2081		
GI Descrip.	ABC-type transport protein slr0864 - Synechocystis sp. (strain PCC 6803) gi|1652892|dbj|BAA17810.1| (D90909) ABC transporter [Synechocystis sp.]		

Seq. No.	56939	Seq. ID	OJ000103_06.0426.C16
Gene No.	119129	Strand	-
Start	96	End	3842
Name	OJ000103_06.0426.C16.o1.tc	Method	TBLASTX:Cress
Start	1747	End	2049
GI	none	Score	150
Exons	1747..2049, 1757..2047		

Seq. No.	56939	Seq. ID	OJ000103_06.0426.C16
Gene No.	119130	Strand	
Start	4604	End	5063
Name	OJ000103_06.0426.C16.o4.tm	Method	TBLASTX:Maize
Start	4604	End	5063
GI	none	Score	38
Exons	4604..4645, 4711..4752, 4790..4804, 4798..4842, 4825..5061, 4851..5063		

Seq. No.	56939	Seq. ID	OJ000103_06.0426.C16
Gene No.	119131	Strand	
Start	5077	End	5467
Name	OJ000103_06.0426.C16.o3.tm	Method	TBLASTX:Maize
Start	5077	End	5467
GI	none	Score	165
Exons	5077..5280, 5080..5286, 5223..5402, 5327..5380, 5382..5465, 5399..5467, 5399..5464		

Seq. No.	56939	Seq. ID	OJ000103_06.0426.C16
Gene No.	119132	Strand	
Start	5879	End	6098
Name	OJ000103_06.0426.C16.o5.tm	Method	TBLASTX:Maize
Start	5879	End	6098
GI	none	Score	186
Exons	5879..6019, 5880..6098, 5889..6086		

Seq. No.	56939	Seq. ID	OJ000103_06.0426.C16
Gene No.	119133	Strand	
Start	6233	End	6769
Name	OJ000103_06.0426.C16.o2.tw	Method	TBLASTX:Wheat
Start	6233	End	6595
GI	none	Score	202
Exons	6233..6496, 6238..6492, 6416..6559, 6499..6573, 6500..6595		

Seq. No.	56939	Seq. ID	OJ000103_06.0426.C16
Gene No.	119133	Strand	
Start	6233	End	6769

Name	OJ000103_06.0426.C16.o1.tm	Method	TBLASTX:Maize
Start	6242	End	6667
GI	none	Score	346
Exons	6242..6583, 6256..6585, 6596..6667		

Seq. No.	56939	Seq. ID	OJ000103_06.0426.C16
Gene No.	119133	Strand	
Start	6233	End	6769
Name	OJ000103_06.0426.C16.o1.ts	Method	TBLASTX:Soybean
Start	6269	End	6769
GI	none	Score	399
Exons	6269..6769, 6277..6570		

Seq. No.	56939	Seq. ID	OJ000103_06.0426.C16
Gene No.	119133	Strand	
Start	6233	End	6769
Name	OJ000103_06.0426.C16.o2.tc	Method	TBLASTX:Cress
Start	6284	End	6730
GI	none	Score	277
Exons	6284..6730, 6286..6366, 6394..6717		

Seq. No.	56939	Seq. ID	OJ000103_06.0426.C16
Gene No.	119134	Strand	
Start	7159	End	7617
Name	OJ000103_06.0426.C16.o2.tm	Method	TBLASTX:Maize
Start	7159	End	7479
GI	none	Score	370
Exons	7159..7479, 7161..7478		

Seq. No.	56939	Seq. ID	OJ000103_06.0426.C16
Gene No.	119134	Strand	
Start	7159	End	7617
Name	OJ000103_06.0426.C16.o1.tw	Method	TBLASTX:Wheat
Start	7162	End	7617
GI	none	Score	66
Exons	7162..7242, 7213..7587, 7299..7421, 7458..7571, 7567..7617		

Seq. No.	56939	Seq. ID	OJ000103_06.0426.C16
Gene No.	119134	Strand	
Start	7159	End	7617
Name	OJ000103_06.0426.C16.o3.ts	Method	TBLASTX:Soybean
Start	7171	End	7587
GI	5509260	Score	332
Exons	7171..7587, 7179..7421, 7458..7532		
GI Descrip.	-		

Seq. No.	56939	Seq. ID	OJ000103_06.0426.C16
Gene No.	119134	Strand	
Start	7159	End	7617
Name	OJ000103_06.0426.C16.o3.tc	Method	TBLASTX:Cress
Start	7255	End	7509
GI	none	Score	242
Exons	7255..7509		

Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17
Gene No.	119135	Strand	+
Start	1	End	35488

Name	OJ000103_06.0426.C17.o1.np	Method	AAT/NAP
Start	1	End	1984
GI	6539558	Score	582
Exons	1..735, 1948..1984		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza sativa]		

Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17
Gene No.	119135	Strand	+
Start	1	End	35488
Name	OJ000103_06.0426.C17.o2.np	Method	AAT/NAP
Start	1	End	35488
GI	7444451	Score	373
Exons	1..745, 35272..35488		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17
Gene No.	119135	Strand	+
Start	1	End	35488
Name	OJ000103_06.0426.C17.o4.gs	Method	GENSCAN
Start	32146	End	34081
GI	none	Score	.57
Exons	32146..33634, 34023..34081		

Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17
Gene No.	119136	Strand	-
Start	22220	End	31679
Name	OJ000103_06.0426.C17.o3.np	Method	AAT/NAP
Start	22171	End	31626
GI	6691191	Score	1033
Exons	22171..23177, 31590..31626		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17
Gene No.	119136	Strand	-
Start	22220	End	31679
Name	OJ000103_06.0426.C17.o2.gs	Method	GENSCAN
Start	22220	End	25478
GI	none	Score	.76
Exons	22220..22581, 22628..22896, 23191..23346, 24975..25069, 25305..25478		

Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17
Gene No.	119136	Strand	-
Start	22220	End	31679
Name	OJ000103_06.0426.C17.o4.np	Method	AAT/NAP
Start	23835	End	30964
GI	7228438	Score	4815
Exons	23835..23853, 25587..25699, 25986..26082, 26175..26433, 26510..26808, 26901..27311, 27397..27495, 29002..30964		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17

Gene No.	119136	Strand	-
Start	22220	End	31679
Name	OJ000103_06.0426.C17.o3.gs	Method	GENSCAN
Start	25676	End	30636
GI	none	Score	.66
Exons	25676..25729, 26038..26082, 26175..26433, 26510..26721, 26788..26808, 26901..27311, 27418..27610, 27831..27954, 28407..28576, 28919..29147, 29592..29693, 29763..29931, 30400..30636		

Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17
Gene No.	119136	Strand	-
Start	22220	End	31679
Name	OJ000103_06.0426.C17.o5.np	Method	AAT/NAP
Start	30611	End	31679
GI	6721543	Score	157
Exons	30611..30727, 31551..31679		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17
Gene No.	119137	Strand	-
Start	34597	End	34911
Name	OJ000103_06.0426.C17.o1.tm	Method	TBLASTX:Maize
Start	8	End	425
GI	none	Score	262
Exons	8..298, 43..153, 312..425, 314..421		

Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17
Gene No.	119137	Strand	-
Start	34597	End	34911
Name	OJ000103_06.0426.C17.o3.ts	Method	TBLASTX:Soybean
Start	98	End	476
GI	none	Score	134
Exons	98..277, 312..476, 314..475		

Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17
Gene No.	119137	Strand	-
Start	34597	End	34911
Name	OJ000103_06.0426.C17.o4.tw	Method	TBLASTX:Wheat
Start	122	End	551
GI	none	Score	87
Exons	122..268, 312..467, 498..551		

Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17
Gene No.	119137	Strand	-
Start	34597	End	34911
Name	OJ000103_06.0426.C17.o1.tc	Method	TBLASTX:Cress
Start	312	End	638
GI	none	Score	222
Exons	312..584, 314..559, 588..638		

Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17
Gene No.	119137	Strand	-
Start	34597	End	34911
Name	OJ000103_06.0426.C17.o3.tm	Method	TBLASTX:Maize
Start	426	End	704
GI	none	Score	202

Exons	426..638, 429..704		
Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17
Gene No.	119137	Strand	-
Start	34597	End	34911
Name	OJ000103_06.0426.C17.o1.tw	Method	TBLASTX:Wheat
Start	22193	End	22560
GI	none	Score	220
Exons	22193..22501, 22194..22514, 22495..22560		
Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17
Gene No.	119137	Strand	-
Start	34597	End	34911
Name	OJ000103_06.0426.C17.o2.ts	Method	TBLASTX:Soybean
Start	22211	End	22462
GI	none	Score	46
Exons	22211..22417, 22218..22280, 22305..22424, 22403..22462		
Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17
Gene No.	119137	Strand	-
Start	34597	End	34911
Name	OJ000103_06.0426.C17.o4.tm	Method	TBLASTX:Maize
Start	22578	End	22829
GI	none	Score	186
Exons	22578..22829		
Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17
Gene No.	119137	Strand	-
Start	34597	End	34911
Name	OJ000103_06.0426.C17.o1.ts	Method	TBLASTX:Soybean
Start	22659	End	23084
GI	none	Score	123
Exons	22659..23084, 22671..22988, 22708..23082		
Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17
Gene No.	119137	Strand	-
Start	34597	End	34911
Name	OJ000103_06.0426.C17.o2.tw	Method	TBLASTX:Wheat
Start	22680	End	23084
GI	none	Score	179
Exons	22680..23084, 22789..23007		
Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17
Gene No.	119137	Strand	-
Start	34597	End	34911
Name	OJ000103_06.0426.C17.o3.tw	Method	TBLASTX:Wheat
Start	29362	End	29742
GI	none	Score	84
Exons	29362..29538, 29362..29538, 29363..29542, 29536..29733, 29548..29742		
Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17
Gene No.	119137	Strand	-
Start	34597	End	34911
Name	OJ000103_06.0426.C17.o2.tm	Method	TBLASTX:Maize
Start	29440	End	29874
GI	none	Score	81

Exons	29440..29508, 29575..29874, 29584..29817, 29636..29857		
Seq. No.	56940	Seq. ID	OJ000103_06.0426.C17
Gene No.	119137	Strand	-
Start	34597	End	34911
Name	OJ000103_06.0426.C17.o5.gs	Method	GENSCAN
Start	34597	End	34911
GI	none	Score	.73
Exons	34597..34616, 34799..34911		
Seq. No.	56941	Seq. ID	OJ000103_06.0426.C18
Gene No.	119138	Strand	-
Start	126	End	218
Name	OJ000103_06.0426.C18.o1.gs	Method	GENSCAN
Start	126	End	218
GI	none	Score	.56
Exons	126..218		
Seq. No.	56941	Seq. ID	OJ000103_06.0426.C18
Gene No.	119139	Strand	-
Start	320	End	368
Name	OJ000103_06.0426.C18.o1.gp	Method	AAT/GAP
Start	320	End	368
GI	557_1.R1084	Score	59
Exons	320..368		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		
Seq. No.	56942	Seq. ID	OJ000113_06.0426.C2
Gene No.	119140	Strand	+
Start	1	End	3528
Name	OJ000113_06.0426.C2.o1.np	Method	AAT/NAP
Start	1	End	3528
GI	7488349	Score	956
Exons	1..138, 1395..1520, 1618..1693, 1774..1958, 2101..2292, 2378..2446, 3008..3220, 3497..3528		
GI Descrip.	starch synthase homolog T9A21.90 - Arabidopsis thaliana gi|2832698|emb|CAA16796.1| (AL021713) starch synthase-like protein [Arabidopsis thaliana] gi|7268617|emb|CAB78826.1| (AL161548) starch synthase-like protein [Arabidopsis thaliana]		
Seq. No.	56942	Seq. ID	OJ000113_06.0426.C2
Gene No.	119140	Strand	+
Start	1	End	3528
Name	OJ000113_06.0426.C2.o1.gs	Method	GENSCAN
Start	1386	End	3220
GI	none	Score	.61
Exons	1386..1520, 1618..1693, 1774..1958, 2000..2185, 2378..2446, 3011..3220		
Seq. No.	56942	Seq. ID	OJ000113_06.0426.C2
Gene No.	119140	Strand	+
Start	1	End	3528
Name	OJ000113_06.0426.C2.o1.tm	Method	TBLASTX:Maize
Start	1395	End	2169
GI	none	Score	117
Exons	1395..1523, 1396..1524, 1439..1528, 1443..1523, 1608..1694,		

1612..1698, 1617..1694, 1636..1695, 1772..1957, 1773..1958, 2094..2165, 2095..2169

Seq. No.	56942	Seq. ID	OJ000113_06.0426.C2
Gene No.	119140	Strand	+
Start	1	End	3528
Name	OJ000113_06.0426.C2.o1.tc	Method	TBLASTX:Cress
Start	1769	End	1973
GI	none	Score	325
Exons	1769..1960, 1770..1973, 1770..1961		

Seq. No.	56942	Seq. ID	OJ000113_06.0426.C2
Gene No.	119140	Strand	+
Start	1	End	3528
Name	OJ000113_06.0426.C2.o1.ts	Method	TBLASTX:Soybean
Start	1772	End	2166
GI	none	Score	296
Exons	1772..1954, 1773..1958, 2094..2162, 2095..2166		

Seq. No.	56942	Seq. ID	OJ000113_06.0426.C2
Gene No.	119140	Strand	+
Start	1	End	3528
Name	OJ000113_06.0426.C2.o2.tc	Method	TBLASTX:Cress
Start	2095	End	2253
GI	none	Score	218
Exons	2095..2253, 2100..2252		

Seq. No.	56942	Seq. ID	OJ000113_06.0426.C2
Gene No.	119140	Strand	+
Start	1	End	3528
Name	OJ000113_06.0426.C2.o2.ts	Method	TBLASTX:Soybean
Start	2396	End	3223
GI	none	Score	68
Exons	2396..2443, 3003..3161, 3008..3223, 3010..3222		

Seq. No.	56942	Seq. ID	OJ000113_06.0426.C2
Gene No.	119140	Strand	+
Start	1	End	3528
Name	OJ000113_06.0426.C2.o2.tm	Method	TBLASTX:Maize
Start	3008	End	3239
GI	none	Score	290
Exons	3008..3223, 3009..3230, 3010..3225, 3012..3239		

Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119141	Strand	+
Start	1	End	1670
Name	OJ000113_06.0426.C3.o1.np	Method	AAT/NAP
Start	1	End	1408
GI	4582783	Score	586
Exons	1..64, 174..299, 481..630, 942..1003, 1074..1149, 1235..1408		
GI Descrip.	(AJ006752) starch synthase, isoform V [Vigna unguiculata]		

Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119141	Strand	+
Start	1	End	1670
Name	OJ000113_06.0426.C3.o1.gs	Method	GENSCAN
Start	481	End	1585

GI	none	Score	.68
Exons	481..630, 942..1003, 1074..1149, 1529..1585		

Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119141	Strand	+
Start	1	End	1670
Name	OJ000113_06.0426.C3.o1.gp	Method	AAT/GAP
Start	1076	End	1670
GI	34735_1.R1084	Score	941
Exons	1076..1149, 1235..1670		
GI Descrip.	'1661160 9.0e-12 (U74295) chlorophyll a/b binding protein [Oryza sativa]'		

Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119142	Strand	+
Start	4262	End	5567
Name	OJ000113_06.0426.C3.o3.np	Method	AAT/NAP
Start	4262	End	5567
GI	6815099	Score	80
Exons	4262..4315, 5434..5567		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119143	Strand	+
Start	7808	End	8714
Name	OJ000113_06.0426.C3.o3.gp	Method	AAT/GAP
Start	7808	End	8714
GI	28017_1.R1084	Score	1724
Exons	7808..8714		
GI Descrip.	'5123547/emb|CAB45313.1| 6.0e-48 (AL079344) putative protein [Arabidopsis thaliana]'		

Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119143	Strand	+
Start	7808	End	8714
Name	OJ000113_06.0426.C3.o4.np	Method	AAT/NAP
Start	7873	End	8610
GI	7487104	Score	627
Exons	7873..8610		
GI Descrip.	hypothetical protein T16L4.40 - Arabidopsis thaliana gi|5123547|emb|CAB45313.1| (AL079344) putative protein [Arabidopsis thaliana] gi|7269852|emb|CAB79711.1| (AL161575) putative protein [Arabidopsis thaliana]		

Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119144	Strand	-
Start	2377	End	3232
Name	OJ000113_06.0426.C3.o4.ts	Method	TBLASTX:Soybean
Start	173	End	991
GI	none	Score	193
Exons	173..295, 174..299, 195..299, 196..300, 478..636, 483..626, 501..641, 933..989, 941..991		

Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119144	Strand	-
Start	2377	End	3232
Name	OJ000113_06.0426.C3.o3.tm	Method	TBLASTX:Maize

Start	480	End	1350
GI	none	Score	225
Exons	480..629, 487..636, 487..633, 919..999, 923..985, 933..1010, 939..1049, 1064..1153, 1093..1149, 1113..1166, 1232..1339, 1235..1342, 1279..1350, 1282..1350		

Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119144	Strand	-
Start	2377	End	3232
Name	OJ000113_06.0426.C3.o1.tm	Method	TBLASTX:Maize
Start	2345	End	3232
GI	none	Score	306
Exons	2345..2413, 2357..2578, 2377..3030, 2626..3009, 2762..3028, 2809..3009, 3057..3092, 3077..3232		

Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119144	Strand	-
Start	2377	End	3232
Name	OJ000113_06.0426.C3.o1.ts	Method	TBLASTX:Soybean
Start	2372	End	3030
GI	none	Score	254
Exons	2372..2581, 2377..3030, 2647..3006, 2762..3028		

Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119144	Strand	-
Start	2377	End	3232
Name	OJ000113_06.0426.C3.o1.tc	Method	TBLASTX:Cress
Start	2377	End	3102
GI	none	Score	269
Exons	2377..2640, 2378..2581, 2641..3030, 2647..3006, 2762..3031, 3076..3102		

Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119144	Strand	-
Start	2377	End	3232
Name	OJ000113_06.0426.C3.o2.gs	Method	GENSCAN
Start	2377	End	3159
GI	none	Score	.5
Exons	2377..3159		

Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119144	Strand	-
Start	2377	End	3232
Name	OJ000113_06.0426.C3.o2.np	Method	AAT/NAP
Start	2380	End	3174
GI	7443224	Score	1370
Exons	2380..3174		
GI Descrip.	chlorophyll a/b-binding protein precursor kcd1895 - rice gi|1661160|gb|AAB18404.1| (U74295) chlorophyll a/b binding protein [Oryza sativa]		

Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119144	Strand	-
Start	2377	End	3232
Name	OJ000113_06.0426.C3.o1.tw	Method	TBLASTX:Wheat
Start	2386	End	2829
GI	none	Score	274

Exons	2386..2688, 2387..2581, 2626..2694, 2690..2767, 2692..2829, 2692..2829		
Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119144	Strand	-
Start	2377	End	3232
Name	OJ000113_06.0426.C3.o2.tw	Method	TBLASTX:Wheat
Start	2845	End	3031
GI	none	Score	234
Exons	2845..3030, 2849..3031		
Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119144	Strand	-
Start	2377	End	3232
Name	OJ000113_06.0426.C3.o2.gp	Method	AAT/GAP
Start	2950	End	3229
GI	700509	Score	523
Exons	2950..3229		
GI Descrip.	1661160 9.0e-12 (U74295) chlorophyll a/b binding protein [Oryza sativa]		
Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119145	Strand	
Start	7846	End	8343
Name	OJ000113_06.0426.C3.o2.tm	Method	TBLASTX:Maize
Start	7846	End	8342
GI	none	Score	518
Exons	7846..8250, 7863..8267, 8251..8292, 8301..8342, 8302..8340		
Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119145	Strand	
Start	7846	End	8343
Name	OJ000113_06.0426.C3.o2.ts	Method	TBLASTX:Soybean
Start	7873	End	8343
GI	none	Score	440
Exons	7873..8247, 7878..7913, 7969..8130, 7983..8234, 8257..8316, 8311..8343		
Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119145	Strand	
Start	7846	End	8343
Name	OJ000113_06.0426.C3.o2.tc	Method	TBLASTX:Cress
Start	7881	End	8246
GI	none	Score	421
Exons	7881..7916, 7882..8244, 7969..8112, 7983..8246		
Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119146	Strand	
Start	8263	End	8574
Name	OJ000113_06.0426.C3.o3.tw	Method	TBLASTX:Wheat
Start	8263	End	8547
GI	none	Score	46
Exons	8263..8298, 8302..8385, 8304..8384, 8347..8547, 8388..8540		
Seq. No.	56943	Seq. ID	OJ000113_06.0426.C3
Gene No.	119146	Strand	
Start	8263	End	8574

Name	OJ000113_06.0426.C3.o3.ts	Method	TBLASTX:Soybean
Start	8388	End	8574
GI	none	Score	235
Exons	8388..8528, 8389..8559, 8461..8574		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119147	Strand	+
Start	1728	End	5120
Name	OJ000113_06.0426.C4.o1.np	Method	AAT/NAP
Start	1728	End	4257
GI	2499327	Score	813
Exons	1728..2148, 4026..4257		
GI Descrip.	NADH-UBIQUINONE OXIDOREDUCTASE 20 KD SUBUNIT PRECURSOR (COMPLEX I-20KD) (CI-20KD) gi|1084345|pir||S52286 NADH dehydrogenase (EC 1.6.99.3) - Arabidopsis thaliana gi|643090|emb|CAA58887.1| (X84078) NADH dehydrogenase [Arabidopsis thaliana]		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119147	Strand	+
Start	1728	End	5120
Name	OJ000113_06.0426.C4.o1.gs	Method	GENSCAN
Start	1784	End	5120
GI	none	Score	.44
Exons	1784..2148, 4026..4256, 4982..5120		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119148	Strand	+
Start	5521	End	9564
Name	OJ000113_06.0426.C4.o2.gs	Method	GENSCAN
Start	5521	End	7717
GI	none	Score	.7
Exons	5521..5798, 7525..7717		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119148	Strand	+
Start	5521	End	9564
Name	OJ000113_06.0426.C4.o2.np	Method	AAT/NAP
Start	7583	End	9555
GI	6850873	Score	764
Exons	7583..7750, 8246..9555		
GI Descrip.	(AL132959) putative protein [Arabidopsis thaliana]		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119148	Strand	+
Start	5521	End	9564
Name	OJ000113_06.0426.C4.o3.gs	Method	GENSCAN
Start	8224	End	9564
GI	none	Score	1
Exons	8224..9564		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119149	Strand	-
Start	1	End	139
Name	OJ000113_06.0426.C4.o1.gp	Method	AAT/GAP
Start	1	End	139
GI	28017_1.R1084	Score	258
Exons	1..139		

GI Descrip. '5123547/emb|CAB45313.1| 6.0e-48 (AL079344) putative protein [Arabidopsis thaliana]'

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119150	Strand	-
Start	4098	End	4514
Name	OJ000113_06.0426.C4.o2.gp	Method	AAT/GAP
Start	4098	End	4514
GI	18742_1.R1084	Score	752
Exons	4098..4514		

GI Descrip. '2499327/sp|Q42577|NUKM_ARATH 1.0e-18 NADH-UBIQUINONE OXIDOREDUCTASE 20 KD SUBUNIT PRECURSOR (COMPLEX I-20KD) (CI-20KD) >gi_1084345_pir__S52286 NADH dehydrogenase (EC 1.6.99.3) - Arabidopsis thaliana >gi_643090_emb_CAA58887.1_ (X84078) NADH dehydrogenase [Arabidopsis thaliana]'

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119151	Strand	-
Start	10358	End	11695
Name	OJ000113_06.0426.C4.o3.np	Method	AAT/NAP
Start	10358	End	11695
GI	4755196	Score	651
Exons	10358..11342, 11634..11695		

GI Descrip. (AC007018) unknown protein [Arabidopsis thaliana]

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119151	Strand	-
Start	10358	End	11695
Name	OJ000113_06.0426.C4.o4.gs	Method	GENSCAN
Start	10358	End	11314
GI	none	Score	.68
Exons	10358..11314		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119152	Strand	-
Start	13727	End	17525
Name	OJ000113_06.0426.C4.o5.gs	Method	GENSCAN
Start	13727	End	17091
GI	none	Score	.81
Exons	13727..13807, 13913..14034, 14205..14333, 14598..14721, 14795..14848, 15118..15171, 15308..15377, 15529..15671, 15746..15889, 16383..16433, 16524..16654, 16754..16870, 17001..17091		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119152	Strand	-
Start	13727	End	17525
Name	OJ000113_06.0426.C4.o4.np	Method	AAT/NAP
Start	14560	End	17525
GI	95995	Score	245
Exons	14560..14776, 15023..15213, 15308..15377, 15529..15671, 15749..15889, 15959..15991, 17480..17525		

GI Descrip. mrp protein - Escherichia coli.gi|42017|emb|CAA39316| (X55791) put. ATPase [Escherichia coli]

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-

Start	18200	End	20264
Name	OJ000113_06.0426.C4.o2.tc	Method	TBLASTX:Cress
Start	1909	End	4266
GI	none	Score	405
Exons	1909..2148, 1910..2149, 4000..4266, 4023..4259, 4027..4263		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o4.ts	Method	TBLASTX:Soybean
Start	1909	End	2149
GI	none	Score	411
Exons	1909..2148, 1910..2149		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o2.tm	Method	TBLASTX:Maize
Start	1909	End	4400
GI	none	Score	417
Exons	1909..2148, 1910..2149, 4000..4260, 4018..4263, 4019..4264, 4023..4271, 4265..4348, 4325..4393, 4356..4385, 4356..4400, 4357..4386		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o1.tw	Method	TBLASTX:Wheat
Start	1928	End	4232
GI	none	Score	207
Exons	1928..2143, 1993..2136, 4024..4077, 4038..4091, 4104..4232, 4129..4227		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o7.ts	Method	TBLASTX:Soybean
Start	3182	End	9559
GI	none	Score	84
Exons	3182..3274, 9270..9362, 9271..9354, 9354..9401, 9355..9402, 9432..9551, 9436..9555, 9454..9558, 9476..9559		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o6.ts	Method	TBLASTX:Soybean
Start	4101	End	4299
GI	none	Score	253
Exons	4101..4262, 4102..4299, 4126..4299		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o4.tc	Method	TBLASTX:Cress
Start	5631	End	7711
GI	none	Score	185
Exons	5631..5804, 5635..5796, 7505..7570, 7513..7581, 7612..7707,		

7613..7711, 7622..7711

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o10.tm	Method	TBLASTX:Maize
Start	5634	End	7729
GI	none	Score	191
Exons	5634..5804, 5635..5796, 5670..5798, 7513..7581, 7514..7567, 7612..7716, 7613..7729		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o1.tc	Method	TBLASTX:Cress
Start	8424	End	9555
GI	none	Score	239
Exons	8424..8660, 8425..8691, 8713..8907, 8724..8825, 9066..9146, 9067..9102, 9129..9179, 9139..9186, 9276..9401, 9277..9402, 9435..9548, 9436..9555		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o1.tm	Method	TBLASTX:Maize
Start	8440	End	9138
GI	none	Score	282
Exons	8440..8688, 8442..8669, 8713..8958, 8718..8957, 9010..9135, 9055..9138		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o2.ts	Method	TBLASTX:Soybean
Start	8440	End	9186
GI	none	Score	261
Exons	8440..8685, 8445..8678, 8713..8784, 8718..8783, 8830..8976, 8962..9162, 8982..9134, 9115..9186, 9132..9176		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o5.tm	Method	TBLASTX:Maize
Start	9276	End	9555
GI	none	Score	147
Exons	9276..9401, 9277..9402, 9432..9554, 9436..9555		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o4.tm	Method	TBLASTX:Maize
Start	10338	End	10604
GI	none	Score	212
Exons	10338..10499, 10350..10496, 10361..10498, 10448..10525, 10493..10576, 10508..10600, 10509..10604		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4

Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o5.ts	Method	TBLASTX:Soybean
Start	10341	End	10660
GI	none	Score	207
Exons	10341..10658, 10349..10660		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o11.tm	Method	TBLASTX:Maize
Start	10733	End	10916
GI	none	Score	139
Exons	10733..10915, 10734..10916		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o3.ts	Method	TBLASTX:Soybean
Start	10733	End	11695
GI	none	Score	134
Exons	10733..10915, 10734..10916, 10967..11059, 10971..11045, 11048..11095, 11138..11332, 11139..11321, 11633..11695		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4:o8.tm	Method	TBLASTX:Maize
Start	11141	End	11695
GI	none	Score	119
Exons	11141..11341, 11142..11342, 11633..11695		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o6.tm	Method	TBLASTX:Maize
Start	13689	End	14044
GI	none	Score	52
Exons	13689..13760, 13696..13752, 13739..13810, 13741..13815, 13745..13816, 13901..14044, 13910..14029, 13923..14030, 13924..14031		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o1.ts	Method	TBLASTX:Soybean
Start	13760	End	16126
GI	none	Score	87
Exons	13760..13810, 13901..13933, 13934..14041, 13937..14029, 14207..14332, 14208..14318, 14209..14331, 14587..14721, 14597..14719, 14786..14851, 14795..14854, 14925..15017, 14926..15018, 14927..15022, 14934..15023, 15115..15216, 15116..15214, 15296..15376, 15300..15377, 15498..15671, 15498..15671, 15529..15672, 15532..15672, 15746..15892, 15747..15890, 15957..16118, 15959..16117, 15959..16126, 15969..16118		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o7.tm	Method	TBLASTX:Maize
Start	14208	End	14725
GI	none	Score	177
Exons	14208..14318, 14209..14334, 14209..14334, 14584..14724, 14585..14725		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o9.tm	Method	TBLASTX:Maize
Start	14786	End	15216
GI	none	Score	108
Exons	14786..14851, 14913..15020, 14926..15021, 14927..15019, 15115..15216, 15116..15214		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o3.tm	Method	TBLASTX:Maize
Start	15732	End	16057
GI	none	Score	215
Exons	15732..15890, 15746..15892, 15747..15890, 15954..16055, 15959..16057, 15969..16055		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o3.tc	Method	TBLASTX:Cress
Start	16073	End	16661
GI	none	Score	67
Exons	16073..16114, 16383..16442, 16384..16434, 16512..16661, 16516..16605		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o8.ts	Method	TBLASTX:Soybean
Start	16377	End	16649
GI	none	Score	54
Exons	16377..16442, 16381..16434, 16512..16649, 16522..16605		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o6.gs	Method	GENSCAN
Start	18200	End	19949
GI	none	Score	.7
Exons	18200..18355, 19858..19949		

Seq. No.	56944	Seq. ID	OJ000113_06.0426.C4
Gene No.	119153	Strand	-
Start	18200	End	20264
Name	OJ000113_06.0426.C4.o5.np	Method	AAT/NAP
Start	19816	End	20264

GI	7413649	Score	69
Exons	19816..19949, 20207..20264		
GI Descrip.	(AL162971) putative protein [Arabidopsis thaliana]		

Seq. No.	56945	Seq. ID	OJ000113_06.0426.C5
Gene No.	119154	Strand	-
Start	1	End	7322
Name	OJ000113_06.0426.C5.o1.np	Method	AAT/NAP
Start	1	End	7322
GI	7413649	Score	53
Exons	1..32, 756..846, 3234..3314, 7222..7322		
GI Descrip.	(AL162971) putative protein [Arabidopsis thaliana]		

Seq. No.	56945	Seq. ID	OJ000113_06.0426.C5
Gene No.	119154	Strand	-
Start	1	End	7322
Name	OJ000113_06.0426.C5.o1.tm	Method	TBLASTX:Maize
Start	766	End	1169
GI	none	Score	119
Exons	766..849, 770..847, 771..848, 772..849, 938..991, 960..992, 1010..1057, 1010..1045, 1082..1168, 1086..1169, 1089..1169		

Seq. No.	56945	Seq. ID	OJ000113_06.0426.C5
Gene No.	119154	Strand	-
Start	1	End	7322
Name	OJ000113_06.0426.C5.o1.gs	Method	GENSCAN
Start	771	End	7220
GI	none	Score	.42
Exons	771..846, 959..1168, 1599..1622, 2038..2127, 3396..3538, 3928..4222, 4660..4762, 5166..5279, 6211..6331, 6768..6768, 6819..6973, 7016..7220		

Seq. No.	56946	Seq. ID	OJ000113_06.0426.C6
Gene No.	119155	Strand	-
Start	1	End	1769
Name	OJ000113_06.0426.C6.o1.np	Method	AAT/NAP
Start	1	End	1742
GI	5103826	Score	113
Exons	1..28, 545..613, 1188..1328, 1467..1742		
GI Descrip.	(AC007591) ESTs gb|R90323, gb|R90338. gb|Z25504 and gb|AA651448 come from this gene. [Arabidopsis thaliana]		

Seq. No.	56946	Seq. ID	OJ000113_06.0426.C6
Gene No.	119155	Strand	-
Start	1	End	1769
Name	OJ000113_06.0426.C6.o1.gs	Method	GENSCAN
Start	7	End	1769
GI	none	Score	.6
Exons	7..376, 491..623, 1189..1769		

Seq. No.	56946	Seq. ID	OJ000113_06.0426.C6
Gene No.	119156	Strand	-
Start	3486	End	10279
Name	OJ000113_06.0426.C6.o2.np	Method	AAT/NAP
Start	3471	End	8796
GI	2285885	Score	1506
Exons	3471..3653, 4131..4207, 4319..4401, 4491..4681, 4779..5065,		

	5159..5285, 5386..5502, 5611..5724, 5849..5914, 7838..8009, 8151..8358, 8455..8796
GI Descrip.	(D89631) sulfate transporter [Arabidopsis thaliana]

Seq. No.	56946	Seq. ID	OJ000113_06.0426.C6
Gene No.	119156	Strand	-
Start	3486	End	10279
Name	OJ000113_06.0426.C6.o2.gs	Method	GENSCAN
Start	3486	End	10279
GI	none	Score	.45
Exons	3486..3653, 4131..4207, 4319..4401, 4491..4681, 4779..4949, 4951..5065, 5159..5285, 5415..5502, 5611..5724, 5849..5914, 7805..8009, 8151..8358, 8455..8605, 8652..8911, 8943..9062, 10102..10279		

Seq. No.	56946	Seq. ID	OJ000113_06.0426.C6
Gene No.	119157	Strand	-
Start	13277	End	13593
Name	OJ000113_06.0426.C6.o1.tc	Method	TBLASTX:Cress
Start	3522	End	8719
GI	none	Score	116
Exons	3522..3662, 4314..4385, 4470..4682, 4490..4681, 4767..5075, 4777..5067, 5157..5291, 5158..5298, 5378..5500, 5386..5502, 5599..5712, 5608..5718, 5852..5932, 7826..8026, 7860..8021, 7895..8023, 8150..8356, 8151..8357, 8456..8719, 8457..8609		

Seq. No.	56946	Seq. ID	OJ000113_06.0426.C6
Gene No.	119157	Strand	-
Start	13277	End	13593
Name	OJ000113_06.0426.C6.o1.ts	Method	TBLASTX:Soybean
Start	4359	End	5229
GI	none	Score	55
Exons	4359..4403, 4490..4687, 4762..4863, 4767..5075, 4900..5067, 5157..5228, 5158..5229		

Seq. No.	56946	Seq. ID	OJ000113_06.0426.C6
Gene No.	119157	Strand	-
Start	13277	End	13593
Name	OJ000113_06.0426.C6.o1.tm	Method	TBLASTX:Maize
Start	4374	End	5280
GI	none	Score	90
Exons	4374..4403, 4470..4682, 4490..4687, 4767..5075, 4789..4863, 4900..5067, 5157..5279, 5158..5280		

Seq. No.	56946	Seq. ID	OJ000113_06.0426.C6
Gene No.	119157	Strand	-
Start	13277	End	13593
Name	OJ000113_06.0426.C6.o1.tw	Method	TBLASTX:Wheat
Start	4998	End	5721
GI	none	Score	61
Exons	4998..5075, 5005..5067, 5157..5291, 5158..5298, 5386..5487, 5608..5721		

Seq. No.	56946	Seq. ID	OJ000113_06.0426.C6
Gene No.	119157	Strand	-
Start	13277	End	13593
Name	OJ000113_06.0426.C6.o2.ts	Method	TBLASTX:Soybean

Start	7841	End	8596
GI	none	Score	126
Exons	7841..8035, 7869..8021, 8150..8356, 8450..8596		

Seq. No.	56946	Seq. ID	OJ000113_06.0426.C6
Gene No.	119157	Strand	-
Start	13277	End	13593
Name	OJ000113_06.0426.C6.o2.tm	Method	TBLASTX:Maize
Start	7865	End	8035
GI	none	Score	145
Exons	7865..8035, 7866..8030		

Seq. No.	56946	Seq. ID	OJ000113_06.0426.C6
Gene No.	119157	Strand	-
Start	13277	End	13593
Name	OJ000113_06.0426.C6.o1.gp	Method	AAT/GAP
Start	12456	End	12535
GI	5867_1.R1084	Score	129
Exons	12456..12535		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	56946	Seq. ID	OJ000113_06.0426.C6
Gene No.	119157	Strand	-
Start	13277	End	13593
Name	OJ000113_06.0426.C6.o3.gs	Method	GENSCAN
Start	13277	End	13593
GI	none	Score	.6
Exons	13277..13453, 13534..13593		

Seq. No.	56947	Seq. ID	OJ000113_06.0426.C7
Gene No.	119158	Strand	-
Start	636	End	3916
Name	OJ000113_06.0426.C7.o1.gs	Method	GENSCAN
Start	636	End	3916
GI	none	Score	.65
Exons	636..757, 1524..1632, 1664..1707, 3835..3916		

Seq. No.	56948	Seq. ID	OJ000113_06.0426.C8
Gene No.	119159	Strand	+
Start	711	End	4695
Name	OJ000113_06.0426.C8.o1.gs	Method	GENSCAN
Start	711	End	4695
GI	none	Score	.53
Exons	711..749, 2107..2244, 2319..2477, 2976..3195, 4565..4695		

Seq. No.	56948	Seq. ID	OJ000113_06.0426.C8
Gene No.	119160	Strand	+
Start	8229	End	8825
Name	OJ000113_06.0426.C8.o1.gp	Method	AAT/GAP
Start	8229	End	8825
GI	2799807	Score	1089

Exons	8229..8825		
Seq. No.	56948	Seq. ID	OJ000113_06.0426.C8
Gene No.	119161	Strand	+
Start	8970	End	9945
Name	OJ000113_06.0426.C8.o2.gp	Method	AAT/GAP
Start	8970	End	9945
GI	none	Score	1553
Exons	8970..9299, 9460..9945		
Seq. No.	56948	Seq. ID	OJ000113_06.0426.C8
Gene No.	119162	Strand	+
Start	9859	End	11975
Name	OJ000113_06.0426.C8.o4.gs	Method	GENSCAN
Start	9859	End	11929
GI	none	Score	.75
Exons	9859..10028, 10116..10203, 11066..11147, 11847..11929		
Seq. No.	56948	Seq. ID	OJ000113_06.0426.C8
Gene No.	119162	Strand	+
Start	9859	End	11975
Name	OJ000113_06.0426.C8.o1.np	Method	AAT/NAP
Start	9913	End	11975
GI	4105798	Score	460
Exons	9913..9978, 10108..10203, 10883..10975, 11066..11143, 11234..11277, 11349..11389, 11847..11975		
GI Descrip.	(AF049930) PGP237-11 [Petunia x hybrida]		
Seq. No.	56948	Seq. ID	OJ000113_06.0426.C8
Gene No.	119162	Strand	+
Start	9859	End	11975
Name	OJ000113_06.0426.C8.o3.gp	Method	AAT/GAP
Start	9937	End	11975
GI	25531_2.R1084	Score	820
Exons	9937..10028, 10116..10203, 10883..10975, 11066..11143, 11234..11277, 11349..11389, 11847..11975		
GI Descrip.	'4105798 3.0e-90 (AF049930) PGP237-11 [Petunia x hybrida]'		
Seq. No.	56948	Seq. ID	OJ000113_06.0426.C8
Gene No.	119163	Strand	-
Start	5641	End	6958
Name	OJ000113_06.0426.C8.o2.gs	Method	GENSCAN
Start	5641	End	6958
GI	none	Score	.76
Exons	5641..5822, 6757..6958		
Seq. No.	56948	Seq. ID	OJ000113_06.0426.C8
Gene No.	119164	Strand	-
Start	7642	End	8988
Name	OJ000113_06.0426.C8.o3.gs	Method	GENSCAN
Start	7642	End	8988
GI	none	Score	.6
Exons	7642..7681, 8291..8532, 8986..8988		
Seq. No.	56948	Seq. ID	OJ000113_06.0426.C8
Gene No.	119165	Strand	
Start	9465	End	11941

Name	OJ000113_06.0426.C8.o1.tm	Method	TBLASTX:Maize
Start	9465	End	11941
GI	none	Score	44
Exons	9465..9512, 9466..9507, 9551..9589, 9578..9682, 9591..9680, 9650..9745, 9743..9811, 9747..9812, 9747..9809, 9797..9910, 9801..9914, 9803..9901, 9898..10029, 9913..10029, 9917..10033, 10115..10198, 10116..10199, 10116..10199, 10162..10203, 10880..10981, 10881..10976, 10882..10977, 11063..11155, 11064..11144, 11233..11277, 11234..11278, 11341..11391, 11346..11390, 11845..11928, 11846..11929, 11867..11941		

Seq. No.	56948	Seq. ID	OJ000113_06.0426.C8
Gene No.	119165	Strand	
Start	9465	End	11941
Name	OJ000113_06.0426.C8.o1.tc	Method	TBLASTX:Cress
Start	10111	End	11929
GI	none	Score	77
Exons	10111..10194, 10116..10217, 10162..10200, 10910..10972, 10915..10971, 11064..11171, 11065..11142, 11072..11170, 11219..11278, 11239..11289, 11249..11275, 11341..11394, 11343..11390, 11846..11929		

Seq. No.	56948	Seq. ID	OJ000113_06.0426.C8
Gene No.	119165	Strand	
Start	9465	End	11941
Name	OJ000113_06.0426.C8.o1.ts	Method	TBLASTX:Soybean
Start	10116	End	11391
GI	none	Score	76
Exons	10116..10196, 10162..10203, 10880..10981, 10882..10977, 10896..10988, 11065..11115, 11066..11170, 11070..11171, 11219..11278, 11249..11275, 11341..11373, 11368..11391		

Seq. No.	56948	Seq. ID	OJ000113_06.0426.C8
Gene No.	119165	Strand	
Start	9465	End	11941
Name	OJ000113_06.0426.C8.o1.tw	Method	TBLASTX:Wheat
Start	10116	End	11394
GI	none	Score	60
Exons	10116..10196, 10165..10197, 10910..10978, 10912..10977, 11065..11115, 11066..11152, 11219..11278, 11239..11277, 11341..11394, 11346..11390		

Seq. No.	56949	Seq. ID	OJ000113_06.0426.C9
Gene No.	119166	Strand	+
Start	1	End	1252
Name	OJ000113_06.0426.C9.o1.np	Method	AAT/NAP
Start	1	End	1252
GI	4105798	Score	97
Exons	1..222, 1217..1252		
GI Descrip.	(AF049930) PGP237-11 [Petunia x hybrida]		

Seq. No.	56949	Seq. ID	OJ000113_06.0426.C9
Gene No.	119167	Strand	-
Start	1	End	827
Name	OJ000113_06.0426.C9.o1.gp	Method	AAT/GAP
Start	1	End	827
GI	25531_1.R1084	Score	1385

Exons	1..26, 108..827		
GI Descrip.	'4105798 3.0e-99 (AF049930) PGP237-11 [Petunia x hybrida]'		

Seq. No.	56949	Seq. ID	OJ000113_06.0426.C9
Gene No.	119167	Strand	-
Start	1	End	827
Name	OJ000113_06.0426.C9.o1.tm	Method	TBLASTX:Maize
Start	94	End	217
GI	none	Score	180
Exons	94..216, 107..169, 108..215, 113..217		

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119168	Strand	+
Start	11358	End	12413
Name	OJ000113_06.0426.C10.o3.gs	Method	GENSCAN
Start	11358	End	12413
GI	none	Score	.85
Exons	11358..12413		

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119169	Strand	+
Start	32673	End	36044
Name	OJ000113_06.0426.C10.o2.np	Method	AAT/NAP
Start	32529	End	36044
GI	7434421	Score	2779
Exons	32529..32648, 32769..36044		
GI Descrip.	brassinosteroid-insensitive protein BRI1 - Arabidopsis thaliana gi|2392895|gb|AAC49810.1| (AF017056) brassinosteroid insensitive 1 [Arabidopsis thaliana] gi|5042156|emb|CAB44675.1| (AL078620) brassinosteroid insensitive 1 gene (BRI1) [Arabidopsis thaliana] gi|7270924|emb|CAB80603.1| (AL161595) brassinosteroid insensitive 1 gene (BRI1) [Arabidopsis thaliana]		

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119169	Strand	+
Start	32673	End	36044
Name	OJ000113_06.0426.C10.o7.gs	Method	GENSCAN
Start	32673	End	36038
GI	none	Score	.97
Exons	32673..36038		

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119170	Strand	-
Start	810	End	4377
Name	OJ000113_06.0426.C10.o1.gs	Method	GENSCAN
Start	810	End	4377
GI	none	Score	.67
Exons	810..957, 1282..1398, 1505..2203, 2599..2626, 3072..3137, 4083..4377		

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119171	Strand	-
Start	14372	End	20212
Name	OJ000113_06.0426.C10.o4.gs	Method	GENSCAN
Start	14372	End	20095
GI	none	Score	.55
Exons	14372..14812, 15444..15496, 15592..15859, 15933..16118,		

16590..16625, 16714..16812, 17177..17494, 17591..17648,
19169..19324, 19685..19900, 19998..20095

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119171	Strand	-
Start	14372	End	20212
Name	OJ000113_06.0426.C10.o1.np	Method	AAT/NAP
Start	15396	End	20212
GI	6562375	Score	937
Exons	15396..15496, 15592..15812, 15878..16151, 16714..17042, 17177..17494, 17591..17648, 19169..19314, 19679..19900, 19998..20074, 20111..20212		
GI Descrip.	(AJ249962) potassium channel [Daucus carota]		

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119172	Strand	-
Start	26130	End	28679
Name	OJ000113_06.0426.C10.o3.tc	Method	TBLASTX:Cress
Start	15402	End	19903
GI	none	Score	75
Exons	15402..15509, 16002..16136, 16009..16104, 16714..16812, 16714..16812, 17177..17494, 17202..17513, 17586..17660, 17588..17650, 19246..19326, 19681..19902, 19826..19903		

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119172	Strand	-
Start	26130	End	28679
Name	OJ000113_06.0426.C10.o4.tm	Method	TBLASTX:Maize
Start	15907	End	16116
GI	none	Score	179
Exons	15907..16092, 15934..16116, 15936..16115		

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119172	Strand	-
Start	26130	End	28679
Name	OJ000113_06.0426.C10.o3.ts	Method	TBLASTX:Soybean
Start	17213	End	17500
GI	none	Score	133
Exons	17213..17365, 17217..17363, 17375..17500		

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119172	Strand	-
Start	26130	End	28679
Name	OJ000113_06.0426.C10.o6.gs	Method	GENSCAN
Start	26130	End	28679
GI	none	Score	.72
Exons	26130..26203, 26337..26508, 27220..27325, 27592..27683, 28318..28377, 28545..28679		

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119173	Strand	
Start	33324	End	34679
Name	OJ000113_06.0426.C10.o2.ts	Method	TBLASTX:Soybean
Start	33324	End	34610
GI	none	Score	55
Exons	33324..33383, 33393..33467, 33546..33686, 33555..33686, 33702..33836, 33767..33985, 33768..33986, 33867..34064,		

33924..34124, 33947..34123, 33983..34216, 33986..34237,
33987..34241, 34425..34610

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119173	Strand	
Start	33324	End	34679
Name	OJ000113_06.0426.C10.o2.tc	Method	TBLASTX:Cress
Start	33393	End	34610
GI	none	Score	75
Exons	33393..33536, 33558..33686, 33659..34039, 33660..34040, 33708..33818, 33777..34112, 33852..33962, 33924..34034, 33924..34199, 33927..34031, 33947..34186, 34077..34208, 34404..34610		

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119173	Strand	
Start	33324	End	34679
Name	OJ000113_06.0426.C10.o3.tm	Method	TBLASTX:Maize
Start	33408	End	34679
GI	none	Score	49
Exons	33408..33530, 33537..33656, 33546..33686, 33546..33686, 33555..33686, 33582..33686, 33642..33686, 33702..34166, 33717..34244, 33717..34199, 33771..34202, 33933..34229, 33987..34208, 34019..34126, 34031..34207, 34151..34210, 34383..34628, 34416..34631, 34428..34631, 34431..34478, 34431..34589, 34443..34625, 34443..34628, 34500..34640, 34575..34679, 34611..34679		

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119173	Strand	
Start	33324	End	34679
Name	OJ000113_06.0426.C10.o3.tw	Method	TBLASTX:Wheat
Start	33534	End	34241
GI	none	Score	68
Exons	33534..33656, 33693..34028, 33780..34094, 33815..34105, 33861..34172, 33875..33946, 33933..34202, 34005..34208, 34077..34241		

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119174	Strand	
Start	34679	End	35960
Name	OJ000113_06.0426.C10.o2.tm	Method	TBLASTX:Maize
Start	34679	End	35183
GI	none	Score	136
Exons	34679..34795, 34680..34808, 34749..34862, 34749..34862, 34750..34863, 34775..34867, 34866..34985, 34869..34988, 34874..34987, 34875..35183, 34982..35176		

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119174	Strand	
Start	34679	End	35960
Name	OJ000113_06.0426.C10.o1.ts	Method	TBLASTX:Soybean
Start	35021	End	35960
GI	none	Score	267
Exons	35021..35428, 35022..35729, 35024..35632, 35086..35742, 35723..35944, 35724..35960		

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119174	Strand	
Start	34679	End	35960
Name	OJ000113_06.0426.C10.o2.tw	Method	TBLASTX:Wheat
Start	35054	End	35279
GI	none	Score	200
Exons	35054..35275, 35055..35279		

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119174	Strand	
Start	34679	End	35960
Name	OJ000113_06.0426.C10.o1.tc	Method	TBLASTX:Cress
Start	35079	End	35536
GI	none	Score	651
Exons	35079..35534, 35087..35536, 35110..35535		

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119174	Strand	
Start	34679	End	35960
Name	OJ000113_06.0426.C10.o1.tm	Method	TBLASTX:Maize
Start	35194	End	35957
GI	none	Score	575
Exons	35194..35868, 35194..35430, 35201..35632, 35202..35957, 35202..35924, 35690..35953		

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119174	Strand	
Start	34679	End	35960
Name	OJ000113_06.0426.C10.o1.tw	Method	TBLASTX:Wheat
Start	35328	End	35699
GI	none	Score	37
Exons	35328..35357, 35375..35545, 35376..35570, 35580..35699, 35586..35684		

Seq. No.	56950	Seq. ID	OJ000113_06.0426.C10
Gene No.	119174	Strand	
Start	34679	End	35960
Name	OJ000113_06.0426.C10.o4.tc	Method	TBLASTX:Cress
Start	35580	End	35924
GI	none	Score	209
Exons	35580..35729, 35583..35729, 35823..35924		

Seq. No.	56951	Seq. ID	OJ000113_06.0426.C11
Gene No.	119175	Strand	-
Start	4534	End	6525
Name	OJ000113_06.0426.C11.o2.gs	Method	GENSCAN
Start	4534	End	6525
GI	none	Score	.48
Exons	4534..4670, 4973..5094, 5849..5909, 6380..6525		

Seq. No.	56952	Seq. ID	OJ000113_06.0426.C12
Gene No.	119176	Strand	+
Start	146	End	3559
Name	OJ000113_06.0426.C12.o1.gs	Method	GENSCAN
Start	146	End	2100
GI	none	Score	.47
Exons	146..260, 645..772, 1996..2100		

Seq. No.	56952	Seq. ID	OJ000113_06.0426.C12
Gene No.	119176	Strand	+
Start	146	End	3559
Name	OJ000113_06.0426.C12.o1.np	Method	AAT/NAP
Start	1687	End	3559
GI	5852093	Score	54
Exons	1687..1812, 3537..3559		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	56952	Seq. ID	OJ000113_06.0426.C12
Gene No.	119176	Strand	+
Start	146	End	3559
Name	OJ000113_06.0426.C12.o2.np	Method	AAT/NAP
Start	1706	End	1835
GI	5852093	Score	59
Exons	1706..1835		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	56953	Seq. ID	OJ000113_01.0426.C1
Gene No.	119177	Strand	+
Start	1	End	738
Name	OJ000113_01.0426.C1.o1.np	Method	AAT/NAP
Start	1	End	738
GI	4185311	Score	919
Exons	1..738		
GI Descrip.	(AF090446) polyprotein [Zea mays]		

Seq. No.	56953	Seq. ID	OJ000113_01.0426.C1
Gene No.	119177	Strand	+
Start	1	End	738
Name	OJ000113_01.0426.C1.o2.tm	Method	TBLASTX:Maize
Start	6	End	218
GI	none	Score	41
Exons	6..38, 34..192, 36..218, 44..208		

Seq. No.	56953	Seq. ID	OJ000113_01.0426.C1
Gene No.	119177	Strand	+
Start	1	End	738
Name	OJ000113_01.0426.C1.o1.tw	Method	TBLASTX:Wheat
Start	78	End	650
GI	none	Score	229
Exons	78..326, 80..307, 93..308, 338..364, 338..364, 340..372, 362..424, 366..650, 375..434, 465..647		

Seq. No.	56953	Seq. ID	OJ000113_01.0426.C1
Gene No.	119177	Strand	+
Start	1	End	738
Name	OJ000113_01.0426.C1.o1.tm	Method	TBLASTX:Maize
Start	218	End	737
GI	none	Score	673
Exons	218..736, 219..737		

Seq. No.	56953	Seq. ID	OJ000113_01.0426.C1
Gene No.	119177	Strand	+
Start	1	End	738
Name	OJ000113_01.0426.C1.o1.gs	Method	GENSCAN

Start	258	End	674
GI	none	Score	.62
Exons	258..674		

Seq. No.	56953	Seq. ID	OJ000113_01.0426.C1
Gene No.	119177	Strand	+
Start	1	End	738
Name	OJ000113_01.0426.C1.o1.ts	Method	TBLASTX:Soybean
Start	495	End	734
GI	none	Score	183
Exons	495..734, 578..685		

Seq. No.	56954	Seq. ID	OJ000113_01.0426.C2
Gene No.	119178	Strand	+
Start	1	End	4102
Name	OJ000113_01.0426.C2.o1.np	Method	AAT/NAP
Start	1	End	1660
GI	6630685	Score	2388
Exons	1..1660		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	56954	Seq. ID	OJ000113_01.0426.C2
Gene No.	119178	Strand	+
Start	1	End	4102
Name	OJ000113_01.0426.C2.o1.gs	Method	GENSCAN
Start	176	End	4102
GI	none	Score	.72
Exons	176..1342, 1373..1625, 2594..2728, 2742..2883, 2961..3188, 3199..4102		

Seq. No.	56954	Seq. ID	OJ000113_01.0426.C2
Gene No.	119179	Strand	+
Start	8655	End	9969
Name	OJ000113_01.0426.C2.o3.gs	Method	GENSCAN
Start	8655	End	9969
GI	none	Score	.59
Exons	8655..8794, 9484..9630, 9858..9969		

Seq. No.	56954	Seq. ID	OJ000113_01.0426.C2
Gene No.	119180	Strand	-
Start	5426	End	6707
Name	OJ000113_01.0426.C2.o2.gs	Method	GENSCAN
Start	5426	End	6707
GI	none	Score	.56
Exons	5426..5523, 6089..6707		

Seq. No.	56954	Seq. ID	OJ000113_01.0426.C2
Gene No.	119181	Strand	-
Start	10809	End	16645
Name	OJ000113_01.0426.C2.o3.tm	Method	TBLASTX:Maize
Start	2	End	292
GI	none	Score	399
Exons	2..292, 2..289, 22..291		

Seq. No.	56954	Seq. ID	OJ000113_01.0426.C2
Gene No.	119181	Strand	-

Start	10809	End	16645
Name	OJ000113_01.0426.C2.o1.ts	Method	TBLASTX:Soybean
Start	26	End	633
GI	5509260	Score	214
Exons	26..244, 26..256, 250..633, 251..631, 412..633		
GI Descrip.	-		

Seq. No.	56954	Seq. ID	OJ000113_01.0426.C2
Gene No.	119181	Strand	-
Start	10809	End	16645
Name	OJ000113_01.0426.C2.o1.tw	Method	TBLASTX:Wheat
Start	152	End	619
GI	none	Score	80
Exons	152..244, 173..244, 272..619, 274..606		

Seq. No.	56954	Seq. ID	OJ000113_01.0426.C2
Gene No.	119181	Strand	-
Start	10809	End	16645
Name	OJ000113_01.0426.C2.o1.tc	Method	TBLASTX:Cress
Start	233	End	514
GI	none	Score	203
Exons	233..514, 238..387		

Seq. No.	56954	Seq. ID	OJ000113_01.0426.C2
Gene No.	119181	Strand	-
Start	10809	End	16645
Name	OJ000113_01.0426.C2.o2.tm	Method	TBLASTX:Maize
Start	293	End	760
GI	none	Score	579
Exons	293..760, 295..741, 341..757, 702..758		

Seq. No.	56954	Seq. ID	OJ000113_01.0426.C2
Gene No.	119181	Strand	-
Start	10809	End	16645
Name	OJ000113_01.0426.C2.o4.tm	Method	TBLASTX:Maize
Start	782	End	990
GI	none	Score	243
Exons	782..988, 802..990		

Seq. No.	56954	Seq. ID	OJ000113_01.0426.C2
Gene No.	119181	Strand	-
Start	10809	End	16645
Name	OJ000113_01.0426.C2.o2.tw	Method	TBLASTX:Wheat
Start	803	End	1219
GI	none	Score	78
Exons	803..955, 983..1219		

Seq. No.	56954	Seq. ID	OJ000113_01.0426.C2
Gene No.	119181	Strand	-
Start	10809	End	16645
Name	OJ000113_01.0426.C2.o1.tm	Method	TBLASTX:Maize
Start	993	End	1669
GI	none	Score	965
Exons	993..1439, 995..1669, 1222..1653, 1334..1663		

Seq. No.	56954	Seq. ID	OJ000113_01.0426.C2
Gene No.	119181	Strand	-

Start	10809	End	16645
Name	OJ000113_01.0426.C2.o2.ts	Method	TBLASTX:Soybean
Start	1004	End	1645
GI	none	Score	272
Exons	1004..1393, 1228..1335, 1412..1645		

Seq. No.	56954	Seq. ID	OJ000113_01.0426.C2
Gene No.	119181	Strand	-
Start	10809	End	16645
Name	OJ000113_01.0426.C2.o4.gs	Method	GENSCAN
Start	10809	End	16637
GI	none	Score	.59
Exons	10809..11057, 11642..11836, 12023..12307, 13013..13207, 13593..13640, 13997..14197, 16494..16637		

Seq. No.	56954	Seq. ID	OJ000113_01.0426.C2
Gene No.	119181	Strand	-
Start	10809	End	16645
Name	OJ000113_01.0426.C2.o2.np	Method	AAT/NAP
Start	10815	End	13951
GI	7489383	Score	323
Exons	10815..11057, 11642..11836, 13866..13951		
GI Descrip.	jacalin homolog - barley gi|1167955|gb|AAA87042.1| (U43497) putative 32.7 kDa jasmonate-induced protein [Hordeum vulgare] gi|2465428|gb|AAB72097.1| (AF021257) 32 kDa protein [Hordeum vulgare]		

Seq. No.	56954	Seq. ID	OJ000113_01.0426.C2
Gene No.	119181	Strand	-
Start	10809	End	16645
Name	OJ000113_01.0426.C2.o3.np	Method	AAT/NAP
Start	12068	End	16645
GI	7489383	Score	283
Exons	12068..12307, 13997..14197, 16623..16645		
GI Descrip.	jacalin homolog - barley gi|1167955|gb|AAA87042.1| (U43497) putative 32.7 kDa jasmonate-induced protein [Hordeum vulgare] gi|2465428|gb|AAB72097.1| (AF021257) 32 kDa protein [Hordeum vulgare]		

Seq. No.	56955	Seq. ID	OJ000113_01.0426.C3
Gene No.	119182	Strand	+
Start	1606	End	3198
Name	OJ000113_01.0426.C3.o1.gs	Method	GENSCAN
Start	1606	End	3198
GI	none	Score	.51
Exons	1606..1663, 1760..1790, 2113..2338, 3163..3198		

Seq. No.	56955	Seq. ID	OJ000113_01.0426.C3
Gene No.	119183	Strand	-
Start	6337	End	6520
Name	OJ000113_01.0426.C3.o1.tw	Method	TBLASTX:Wheat
Start	422	End	1686
GI	none	Score	69
Exons	422..571, 422..574, 429..668, 432..674, 1582..1686, 1594..1671		

Seq. No.	56955	Seq. ID	OJ000113_01.0426.C3
Gene No.	119183	Strand	-

Start	6337	End	6520
Name	OJ000113_01.0426.C3.o2.np	Method	AAT/NAP
Start	6337	End	6520
GI	6498436	Score	49
Exons	6337..6520		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	56956	Seq. ID	OJ000113_01.0426.C4
Gene No.	119184	Strand	+
Start	7306	End	17228
Name	OJ000113_01.0426.C4.o1.gp	Method	AAT/GAP
Start	7306	End	7805
GI	uC-osroM202039d10b1	Score	942
Exons	7306..7805		
GI Descrip.	'4680207/gb|AAD27570.1|AF114171_11 1.0e-14 (AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]'		

Seq. No.	56956	Seq. ID	OJ000113_01.0426.C4
Gene No.	119184	Strand	+
Start	7306	End	17228
Name	OJ000113_01.0426.C4.o1.np	Method	AAT/NAP
Start	7369	End	15287
GI	6721549	Score	716
Exons	7369..7804, 7833..8246, 9741..10987, 11091..11485, 15211..15287		
GI Descrip.	(AP001073) Similar to Disease resistance gene homolog 9N. (AF105140) [Oryza sativa]		

Seq. No.	56956	Seq. ID	OJ000113_01.0426.C4
Gene No.	119184	Strand	+
Start	7306	End	17228
Name	OJ000113_01.0426.C4.o2.np	Method	AAT/NAP
Start	12299	End	17207
GI	5738362	Score	1571
Exons	12299..12469, 15356..17207		
GI Descrip.	(AL021637) putative protein [Arabidopsis thaliana]		

Seq. No.	56956	Seq. ID	OJ000113_01.0426.C4
Gene No.	119184	Strand	+
Start	7306	End	17228
Name	OJ000113_01.0426.C4.o5.gs	Method	GENSCAN
Start	15213	End	17228
GI	none	Score	1
Exons	15213..17228		

Seq. No.	56956	Seq. ID	OJ000113_01.0426.C4
Gene No.	119185	Strand	-
Start	2378	End	6569
Name	OJ000113_01.0426.C4.o2.gs	Method	GENSCAN
Start	2378	End	6569
GI	none	Score	.83
Exons	2378..2508, 3579..5623, 5755..6569		

Seq. No.	56956	Seq. ID	OJ000113_01.0426.C4
Gene No.	119186	Strand	-
Start	11682	End	12105
Name	OJ000113_01.0426.C4.o2.gp	Method	AAT/GAP
Start	11682	End	12105

GI	none	Score	840
Exons	11682..12105		

Seq. No.	56956	Seq. ID	OJ000113_01.0426.C4
Gene No.	119187	Strand	-
Start	12481	End	14649
Name	OJ000113_01.0426.C4.o4.tm	Method	TBLASTX:Maize
Start	3736	End	3997
GI	none	Score	123
Exons	3736..3993, 3736..3996, 3833..3997		

Seq. No.	56956	Seq. ID	OJ000113_01.0426.C4
Gene No.	119187	Strand	-
Start	12481	End	14649
Name	OJ000113_01.0426.C4.o2.ts	Method	TBLASTX:Soybean
Start	4429	End	10896
GI	none	Score	72
Exons	4429..4611, 5296..5403, 5404..5592, 9781..9873, 9994..10065, 10111..10305, 10297..10470, 10615..10896		

Seq. No.	56956	Seq. ID	OJ000113_01.0426.C4
Gene No.	119187	Strand	-
Start	12481	End	14649
Name	OJ000113_01.0426.C4.o1.tw	Method	TBLASTX:Wheat
Start	4502	End	10884
GI	none	Score	137
Exons	4502..4681, 4504..4677, 4504..4707, 4515..4682, 4666..4812, 4682..4807, 10588..10680, 10726..10884		

Seq. No.	56956	Seq. ID	OJ000113_01.0426.C4
Gene No.	119187	Strand	-
Start	12481	End	14649
Name	OJ000113_01.0426.C4.o1.tm	Method	TBLASTX:Maize
Start	4582	End	10824
GI	none	Score	305
Exons	4582..4704, 4696..4893, 10360..10494, 10366..10686, 10422..10691, 10717..10824		

Seq. No.	56956	Seq. ID	OJ000113_01.0426.C4
Gene No.	119187	Strand	-
Start	12481	End	14649
Name	OJ000113_01.0426.C4.o2.tw	Method	TBLASTX:Wheat
Start	5098	End	10482
GI	none	Score	121
Exons	5098..5193, 10201..10296, 10206..10295, 10324..10482		

Seq. No.	56956	Seq. ID	OJ000113_01.0426.C4
Gene No.	119187	Strand	-
Start	12481	End	14649
Name	OJ000113_01.0426.C4.o2.tc	Method	TBLASTX:Cress
Start	5943	End	10482
GI	none	Score	63
Exons	5943..6032, 9739..9810, 9993..10058, 10006..10059, 10156..10290, 10165..10287, 10309..10482		

Seq. No.	56956	Seq. ID	OJ000113_01.0426.C4
Gene No.	119187	Strand	-

Start	12481	End	14649
Name	OJ000113_01.0426.C4.o2.tm	Method	TBLASTX:Maize
Start	7423	End	7809
GI	none	Score	324
Exons	7423..7791, 7434..7520, 7572..7664, 7717..7809, 7719..7805		

Seq. No.	56956	Seq. ID	OJ000113_01.0426.C4
Gene No.	119187	Strand	-
Start	12481	End	14649
Name	OJ000113_01.0426.C4.o4.gs	Method	GENSCAN
Start	12481	End	14649
GI	none	Score	.61
Exons	12481..12930, 14199..14331, 14453..14649		

Seq. No.	56956	Seq. ID	OJ000113_01.0426.C4
Gene No.	119188	Strand	
Start	15540	End	17000
Name	OJ000113_01.0426.C4.o3.tm	Method	TBLASTX:Maize
Start	15540	End	16991
GI	none	Score	73
Exons	15540..15857, 15930..16175, 15948..16157, 15957..16052, 16140..16373, 16143..16673, 16158..16583, 16164..16805, 16169..16273, 16266..16865, 16371..16919, 16473..16646, 16476..16991		

Seq. No.	56956	Seq. ID	OJ000113_01.0426.C4
Gene No.	119188	Strand	
Start	15540	End	17000
Name	OJ000113_01.0426.C4.o1.ts	Method	TBLASTX:Soybean
Start	15561	End	16991
GI	none	Score	136
Exons	15561..16154, 15621..16076, 15726..16097, 15737..16096, 15810..16148, 15855..16148, 15978..16514, 16140..16598, 16155..16907, 16167..16406, 16167..16814, 16179..16370, 16260..16628, 16362..16733, 16461..16835, 16590..16865, 16695..16991		

Seq. No.	56956	Seq. ID	OJ000113_01.0426.C4
Gene No.	119188	Strand	
Start	15540	End	17000
Name	OJ000113_01.0426.C4.o1.tc	Method	TBLASTX:Cress
Start	15747	End	17000
GI	none	Score	159
Exons	15747..16097, 15864..16148, 15864..16031, 15873..16202, 15927..16136, 16029..16160, 16131..16349, 16143..16310, 16170..16514, 16170..16418, 16233..16454, 16254..16376, 16257..16619, 16332..16529, 16367..16513, 16380..16733, 16416..16652, 16494..16835, 16572..16931, 16626..16862, 16671..16958, 16695..17000, 16746..16958		

Seq. No.	56957	Seq. ID	OJ000113_01.0426.C5
Gene No.	119189	Strand	-
Start	1	End	2631
Name	OJ000113_01.0426.C5.o1.gp	Method	AAT/GAP
Start	1	End	1405
GI	11173_1.R1084	Score	1475
Exons	1..387, 683..1077, 1362..1405		

GI Descrip. '5596996/emb|CAB51480.1| 1.0e-105 (Y14600) putative protein serine /threonine kinase [Sorghum bicolor]'

Seq. No.	56957	Seq. ID	OJ000113_01.0426.C5
Gene No.	119189	Strand	-
Start	1	End	2631
Name	OJ000113_01.0426.C5.o1.gs	Method	GENSCAN
Start	64	End	2437
GI	none	Score	.68
Exons	64..425, 706..1077, 1362..1709, 1849..1983, 2124..2269, 2370..2437		

Seq. No.	56957	Seq. ID	OJ000113_01.0426.C5
Gene No.	119189	Strand	-
Start	1	End	2631
Name	OJ000113_01.0426.C5.o1.np	Method	AAT/NAP
Start	67	End	2631
GI	5596996	Score	1758
Exons	67..387, 683..1077, 1362..1709, 1849..1983, 2064..2131, 2204..2269, 2370..2441, 2543..2631		

GI Descrip. (Y14600) putative protein serine /threonine kinase [Sorghum bicolor]

Seq. No.	56957	Seq. ID	OJ000113_01.0426.C5
Gene No.	119189	Strand	-
Start	1	End	2631
Name	OJ000113_01.0426.C5.o1.tm	Method	TBLASTX:Maize
Start	93	End	1080
GI	none	Score	204
Exons	93..311, 94..294, 94..390, 731..1078, 731..1078, 733..1080, 735..1079		

Seq. No.	56957	Seq. ID	OJ000113_01.0426.C5
Gene No.	119189	Strand	-
Start	1	End	2631
Name	OJ000113_01.0426.C5.o2.tw	Method	TBLASTX:Wheat
Start	154	End	730
GI	none	Score	157
Exons	154..300, 154..390, 206..388, 677..730		

Seq. No.	56957	Seq. ID	OJ000113_01.0426.C5
Gene No.	119189	Strand	-
Start	1	End	2631
Name	OJ000113_01.0426.C5.o1.ts	Method	TBLASTX:Soybean
Start	160	End	1054
GI	none	Score	74
Exons	160..204, 214..387, 218..349, 677..1054, 681..1052		

Seq. No.	56957	Seq. ID	OJ000113_01.0426.C5
Gene No.	119189	Strand	-
Start	1	End	2631
Name	OJ000113_01.0426.C5.o1.tw	Method	TBLASTX:Wheat
Start	731	End	1055
GI	none	Score	148
Exons	731..1054, 819..1055		

Seq. No.	56957	Seq. ID	OJ000113_01.0426.C5

Gene No.	119189	Strand	-
Start	1	End	2631
Name	OJ000113_01.0426.C5.o1.tc	Method	TBLASTX:Cress
Start	755	End	1710
GI	none	Score	81
Exons	755..1063, 777..866, 815..1027, 894..1061, 1363..1551, 1370..1552, 1618..1710, 1619..1687		

Seq. No.	56957	Seq. ID	OJ000113_01.0426.C5
Gene No.	119189	Strand	-
Start	1	End	2631
Name	OJ000113_01.0426.C5.o2.tm	Method	TBLASTX:Maize
Start	1361	End	2631
GI	none	Score	153
Exons	1361..1471, 1363..1566, 1367..1567, 1569..1712, 1573..1713, 1618..1716, 1619..1714, 2542..2631		

Seq. No.	56957	Seq. ID	OJ000113_01.0426.C5
Gene No.	119189	Strand	-
Start	1	End	2631
Name	OJ000113_01.0426.C5.o2.ts	Method	TBLASTX:Soybean
Start	1363	End	1716
GI	none	Score	130
Exons	1363..1560, 1367..1561, 1573..1707, 1578..1664, 1618..1716		

Seq. No.	56958	Seq. ID	OJ000113_01.0426.C6
Gene No.	119190	Strand	+
Start	1227	End	1963
Name	OJ000113_01.0426.C6.o1.gs	Method	GENSCAN
Start	1227	End	1963
GI	none	Score	.93
Exons	1227..1382, 1801..1963		

Seq. No.	56958	Seq. ID	OJ000113_01.0426.C6
Gene No.	119191	Strand	-
Start	484	End	1765
Name	OJ000113_01.0426.C6.o1.gp	Method	AAT/GAP
Start	484	End	1765
GI	48260_1.R1084	Score	591
Exons	484..676, 1634..1765		
GI Descrip.	'4895238/gb|AAD32823.1|AC007659_5 6.0e-09 (AC007659) unknown protein [Arabidopsis thaliana]'		

Seq. No.	56959	Seq. ID	OJ000113_01.0426.C7
Gene No.	119192	Strand	+
Start	5101	End	5613
Name	OJ000113_01.0426.C7.o1.gs	Method	GENSCAN
Start	5101	End	5613
GI	none	Score	.89
Exons	5101..5613		

Seq. No.	56959	Seq. ID	OJ000113_01.0426.C7
Gene No.	119193	Strand	+
Start	15191	End	15335
Name	OJ000113_01.0426.C7.o1.gp	Method	AAT/GAP
Start	15191	End	15335
GI	1427_1.R1084	Score	229

Exons	15191..15335		
GI Descrip.	'4504379/ref|NP_003658.1|pHG38| 2.0e-13 G protein-coupled receptor 49 >gi_3366802 (AF062006) orphan G protein-coupled receptor HG38 [Homo sapiens]'		
Seq. No.	56959	Seq. ID	OJ000113_01.0426.C7
Gene No.	119194	Strand	+
Start	17737	End	21530
Name	OJ000113_01.0426.C7.o1.np	Method	AAT/NAP
Start	17737	End	21530
GI	4416302	Score	199
Exons	17737..17827, 20356..20753, 21392..21530		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		
Seq. No.	56959	Seq. ID	OJ000113_01.0426.C7
Gene No.	119195	Strand	-
Start	6065	End	6559
Name	OJ000113_01.0426.C7.o2.gs	Method	GENSCAN
Start	6065	End	6559
GI	none	Score	.93
Exons	6065..6559		
Seq. No.	56959	Seq. ID	OJ000113_01.0426.C7
Gene No.	119196	Strand	-
Start	21630	End	23193
Name	OJ000113_01.0426.C7.o2.tm	Method	TBLASTX:Maize
Start	20396	End	20731
GI	none	Score	197
Exons	20396..20590, 20400..20591, 20687..20731, 20688..20726		
Seq. No.	56959	Seq. ID	OJ000113_01.0426.C7
Gene No.	119196	Strand	-
Start	21630	End	23193
Name	OJ000113_01.0426.C7.o1.tm	Method	TBLASTX:Maize
Start	21627	End	22160
GI	none	Score	74
Exons	21627..21680, 21804..21851, 21960..22160, 21994..22158		
Seq. No.	56959	Seq. ID	OJ000113_01.0426.C7
Gene No.	119196	Strand	-
Start	21630	End	23193
Name	OJ000113_01.0426.C7.o2.np	Method	AAT/NAP
Start	21630	End	23193
GI	7489385	Score	328
Exons	21630..21869, 21963..22151, 23143..23193		
GI Descrip.	jakalin homolog - barley gi|1167953|gb|AAA87041.1| (U43496) putative 32.6 kDa jasmonate-induced protein [Hordeum vulgare] gi|2465426|gb|AAB72096.1| (AF021256) 32 kDa protein [Hordeum vulgare]		
Seq. No.	56959	Seq. ID	OJ000113_01.0426.C7
Gene No.	119196	Strand	-
Start	21630	End	23193
Name	OJ000113_01.0426.C7.o3.np	Method	AAT/NAP
Start	22972	End	23193
GI	7489385	Score	197
Exons	22972..23193		

GI Descrip. jacalin homolog - barley gi|1167955|gb|AAA87042.1| (U43497) putative 32.7 kDa jasmonate-induced protein [Hordeum vulgare] gi|2465428|gb|AAB72097.1| (AF021257) 32 kDa protein [Hordeum vulgare]

Seq. No.	56960	Seq. ID	OJ000113_01.0426.C8
Gene No.	119197	Strand	+
Start	7365	End	19131
Name	OJ000113_01.0426.C8.o2.gs	Method	GENSCAN
Start	7365	End	9636
GI	none	Score	.7
Exons	7365..7388, 7740..7867, 7892..8070, 8088..8775, 9453..9636		

Seq. No.	56960	Seq. ID	OJ000113_01.0426.C8
Gene No.	119197	Strand	+
Start	7365	End	19131
Name	OJ000113_01.0426.C8.o4.np	Method	AAT/NAP
Start	9022	End	18711
GI	4539658	Score	214
Exons	9022..9228, 18020..18135, 18357..18496, 18538..18711		

GI Descrip. (AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]

Seq. No.	56960	Seq. ID	OJ000113_01.0426.C8
Gene No.	119197	Strand	+
Start	7365	End	19131
Name	OJ000113_01.0426.C8.o3.gs	Method	GENSCAN
Start	11300	End	19131
GI	none	Score	.54
Exons	11300..11390, 12513..12623, 14396..14513, 16136..16203, 16653..16923, 17696..17898, 18028..18071, 18742..18891, 19024..19131		

Seq. No.	56960	Seq. ID	OJ000113_01.0426.C8
Gene No.	119197	Strand	+
Start	7365	End	19131
Name	OJ000113_01.0426.C8.o5.np	Method	AAT/NAP
Start	18364	End	18711
GI	4539658	Score	209
Exons	18364..18496, 18538..18711		

GI Descrip. (AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]

Seq. No.	56960	Seq. ID	OJ000113_01.0426.C8
Gene No.	119198	Strand	-
Start	156	End	4265
Name	OJ000113_01.0426.C8.o1.gs	Method	GENSCAN
Start	156	End	4265
GI	none	Score	.89
Exons	156..338, 449..709, 1188..1394, 2215..2418, 2666..2816, 2932..3052, 3130..3262, 3459..3578, 4164..4265		

Seq. No.	56960	Seq. ID	OJ000113_01.0426.C8
Gene No.	119198	Strand	-
Start	156	End	4265
Name	OJ000113_01.0426.C8.o2.np	Method	AAT/NAP
Start	464	End	1389

GI	7489661	Score	241
Exons	464..709, 1194..1389		
GI Descrip.	benzothiadiazole-induced protein (clone WCI-1) - wheat gi|1323742|gb|AAC49284.1| (U32427) unknown [Triticum aestivum]		

Seq. No.	56960	Seq. ID	OJ000113_01.0426.C8
Gene No.	119198	Strand	-
Start	156	End	4265
Name	OJ000113_01.0426.C8.o1.np	Method	AAT/NAP
Start	473	End	1819
GI	7489383	Score	295
Exons	473..709, 1197..1389, 1738..1819		
GI Descrip.	jacalin homolog - barley gi|1167955|gb|AAA87042.1| (U43497) putative 32.7 kDa jasmonate-induced protein [Hordeum vulgare] gi|2465428|gb|AAB72097.1| (AF021257) 32 kDa protein [Hordeum vulgare]		

Seq. No.	56960	Seq. ID	OJ000113_01.0426.C8
Gene No.	119198	Strand	-
Start	156	End	4265
Name	OJ000113_01.0426.C8.o3.np	Method	AAT/NAP
Start	771	End	4231
GI	7446366	Score	289
Exons	771..796, 2259..2358, 2600..2816, 2932..3231, 3432..3578, 4164..4231		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) F25E4.90 - Arabidopsis thaliana gi|7267847|emb|CAB78190.1| (AL161532) serine/threonine kinase-like protein [Arabidopsis thaliana] gi|7321044|emb|CAB82152.1| (AL050399) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	56960	Seq. ID	OJ000113_01.0426.C8
Gene No.	119199	Strand	-
Start	10662	End	10757
Name	OJ000113_01.0426.C8.o1.ts	Method	TBLASTX:Soybean
Start	2651	End	3563
GI	none	Score	82
Exons	2651..2812, 2934..3146, 2935..3147, 3324..3374, 3438..3563		

Seq. No.	56960	Seq. ID	OJ000113_01.0426.C8
Gene No.	119199	Strand	-
Start	10662	End	10757
Name	OJ000113_01.0426.C8.o1.tc	Method	TBLASTX:Cress
Start	2720	End	3581
GI	none	Score	92
Exons	2720..2812, 2934..3146, 3432..3581		

Seq. No.	56960	Seq. ID	OJ000113_01.0426.C8
Gene No.	119199	Strand	-
Start	10662	End	10757
Name	OJ000113_01.0426.C8.o2.tw	Method	TBLASTX:Wheat
Start	2720	End	3147
GI	none	Score	69
Exons	2720..2812, 2934..3146, 2935..3147		

Seq. No.	56960	Seq. ID	OJ000113_01.0426.C8
Gene No.	119199	Strand	-

Start	10662	End	10757
Name	OJ000113_01.0426.C8.o1.tm	Method	TBLASTX:Maize
Start	2976	End	3381
GI	none	Score	145
Exons	2976..3161, 2977..3144, 2978..3175, 2994..3179, 3312..3377, 3316..3381		

Seq. No.	56960	Seq. ID	OJ000113_01.0426.C8
Gene No.	119199	Strand	-
Start	10662	End	10757
Name	OJ000113_01.0426.C8.o1.tw	Method	TBLASTX:Wheat
Start	3324	End	4253
GI	none	Score	141
Exons	3324..3563, 3327..3563, 3328..3567, 3337..3564, 4176..4253		

Seq. No.	56960	Seq. ID	OJ000113_01.0426.C8
Gene No.	119199	Strand	-
Start	10662	End	10757
Name	OJ000113_01.0426.C8.o1.gp	Method	AAT/GAP
Start	10662	End	10757
GI	5867_1.R1084	Score	138
Exons	10662..10757		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	56960	Seq. ID	OJ000113_01.0426.C8
Gene No.	119200	Strand	
Start	18266	End	18980
Name	OJ000113_01.0426.C8.o2.tm	Method	TBLASTX:Maize
Start	18266	End	18980
GI	none	Score	94
Exons	18266..18388, 18267..18386, 18267..18395, 18280..18396, 18380..18484, 18381..18500, 18384..18470, 18388..18483, 18394..18510, 18753..18980, 18753..18956, 18754..18969		

Seq. No.	56961	Seq. ID	OJ000113_01.0426.C9
Gene No.	119201	Strand	+
Start	1	End	4102
Name	OJ000113_01.0426.C9.o2.np	Method	AAT/NAP
Start	1	End	4102
GI	6539553	Score	1137
Exons	1..44, 780..824, 3371..4102		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	56961	Seq. ID	OJ000113_01.0426.C9
Gene No.	119201	Strand	+
Start	1	End	4102
Name	OJ000113_01.0426.C9.o1.gs	Method	GENSCAN
Start	1880	End	4012

GI	none	Score	.53
Exons	1880..1963, 3371..4012		

Seq. No.	56961	Seq. ID	OJ000113_01.0426.C9
Gene No.	119202	Strand	-
Start	1	End	2149
Name	OJ000113_01.0426.C9.o1.np	Method	AAT/NAP
Start	1	End	2149
GI	5545339	Score	72
Exons	1..155, 2054..2149		
GI Descrip.	(AB030083) lectin-like protein kinase [Populus nigra]		

Seq. No.	56961	Seq. ID	OJ000113_01.0426.C9
Gene No.	119203	Strand	
Start	3374	End	3966
Name	OJ000113_01.0426.C9.o1.tm	Method	TBLASTX:Maize
Start	3374	End	3634
GI	none	Score	262
Exons	3374..3619, 3382..3633, 3383..3634		

Seq. No.	56961	Seq. ID	OJ000113_01.0426.C9
Gene No.	119203	Strand	
Start	3374	End	3966
Name	OJ000113_01.0426.C9.o1.ts	Method	TBLASTX:Soybean
Start	3479	End	3856
GI	none	Score	114
Exons	3479..3610, 3479..3610, 3629..3856, 3637..3759		

Seq. No.	56961	Seq. ID	OJ000113_01.0426.C9
Gene No.	119203	Strand	
Start	3374	End	3966
Name	OJ000113_01.0426.C9.o1.tw	Method	TBLASTX:Wheat
Start	3490	End	3966
GI	none	Score	101
Exons	3490..3561, 3491..3565, 3492..3563, 3580..3966, 3581..3928		

Seq. No.	56962	Seq. ID	OJ000113_01.0426.C10
Gene No.	119204	Strand	-
Start	21	End	590
Name	OJ000113_01.0426.C10.o1.gs	Method	GENSCAN
Start	21	End	590
GI	none	Score	.46
Exons	21..122, 532..590		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119205	Strand	+
Start	254	End	9901
Name	OJ000113_01.0426.C11.o1.np	Method	AAT/NAP
Start	254	End	4274
GI	7488289	Score	263
Exons	254..403, 452..518, 596..806, 2124..2283, 2401..2601, 4182..4274		
GI Descrip.	receptor kinase homolog A_TM018A10.18 - Arabidopsis thaliana gi|2252862|gb|AAB62860.1| (AF013294) Similar to receptor kinase [Arabidopsis thaliana] gi|7267594|emb|CAB80906.1| (AL161491) Similar to receptor kinase; strong similarity to; Contains Myb DNA-binding domain repeat signatures AA313-321;Protein kinases signatures and profile AA123-145;Protein kinases signatures and		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119205	Strand	+
Start	254	End	9901
Name	OJ000113_01.0426.C11.o1.gs	Method	GENSCAN
Start	260	End	9901
GI	none	Score	.56
Exons	260..512, 1889..1991, 2124..2274, 2392..2592, 3407..3752, 4156..4230, 4633..4848, 5851..5977, 6717..7272, 7376..7622, 7818..7945, 8720..9901		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119205	Strand	+
Start	254	End	9901
Name	OJ000113_01.0426.C11.o2.np	Method	AAT/NAP
Start	3404	End	3817
GI	6688926	Score	183
Exons	3404..3817		
GI Descrip.	(AJ251365) VAP27 [Nicotiana plumbaginifolia]		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119205	Strand	+
Start	254	End	9901
Name	OJ000113_01.0426.C11.o1.gp	Method	AAT/GAP
Start	3502	End	3885
GI	428706	Score	768
Exons	3502..3885		
GI Descrip.	4895238/gb|AAD32823.1|AC007659_5 6.0e-09 (AC007659) unknown protein [Arabidopsis thaliana]		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119205	Strand	+
Start	254	End	9901
Name	OJ000113_01.0426.C11.o3.np	Method	AAT/NAP
Start	4574	End	5974
GI	6539588	Score	194
Exons	4574..4907, 5851..5974		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119205	Strand	+
Start	254	End	9901
Name	OJ000113_01.0426.C11.o5.np	Method	AAT/NAP
Start	5460	End	8014
GI	6815109	Score	1407
Exons	5460..5492, 6746..8014		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119205	Strand	+
Start	254	End	9901
Name	OJ000113_01.0426.C11.o4.np	Method	AAT/NAP
Start	5930	End	6021
GI	4680183	Score	132
Exons	5930..6021		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119206	Strand	+
Start	10426	End	14264
Name	OJ000113_01.0426.C11.o2.gs	Method	GENSCAN
Start	10426	End	13718
GI	none	Score	.77
Exons	10426..10482, 10506..10588, 11394..11566, 12269..12343, 12745..12936, 13153..13194, 13540..13718		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119206	Strand	+
Start	10426	End	14264
Name	OJ000113_01.0426.C11.o6.np	Method	AAT/NAP
Start	12380	End	14264
GI	7523502	Score	147
Exons	12380..12477, 12790..12986, 14231..14264		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119207	Strand	+
Start	15800	End	16229
Name	OJ000113_01.0426.C11.o3.gp	Method	AAT/GAP
Start	15800	End	16229
GI	38782_1.R1084	Score	633
Exons	15800..16229		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119208	Strand	-
Start	5194	End	5302
Name	OJ000113_01.0426.C11.o2.gp	Method	AAT/GAP
Start	5194	End	5302
GI	uC-osflcyp088b12b1	Score	145
Exons	5194..5302		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026E07'		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119209	Strand	-
Start	14663	End	17330
Name	OJ000113_01.0426.C11.o1.tw	Method	TBLASTX:Wheat
Start	232	End	2220
GI	none	Score	174
Exons	232..294, 304..504, 317..508, 326..511, 345..512, 610..675, 613..657, 661..810, 681..779, 2124..2219, 2125..2220		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119209	Strand	-
Start	14663	End	17330
Name	OJ000113_01.0426.C11.o2.ts	Method	TBLASTX:Soybean
Start	251	End	2271
GI	none	Score	93
Exons	251..394, 610..822, 613..801, 633..821, 2122..2271		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119209	Strand	-

Start	14663	End	17330
Name	OJ000113_01.0426.C11.o1.tc	Method	TBLASTX:Cress
Start	323	End	2220
GI	none	Score	57
Exons	323..409, 445..510, 610..825, 624..680, 717..824, 2124..2219, 2125..2220		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119209	Strand	-
Start	14663	End	17330
Name	OJ000113_01.0426.C11.o1.tm	Method	TBLASTX:Maize
Start	452	End	785
GI	none	Score	67
Exons	452..526, 457..534, 461..532, 592..780, 593..772, 595..780, 621..785		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119209	Strand	-
Start	14663	End	17330
Name	OJ000113_01.0426.C11.o3.tm	Method	TBLASTX:Maize
Start	2124	End	2565
GI	none	Score	115
Exons	2124..2219, 2125..2277, 2170..2280, 2391..2528, 2392..2565		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119209	Strand	-
Start	14663	End	17330
Name	OJ000113_01.0426.C11.o2.tm	Method	TBLASTX:Maize
Start	3378	End	3688
GI	none	Score	143
Exons	3378..3527, 3406..3558, 3413..3553, 3525..3557, 3539..3688, 3547..3687		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119209	Strand	-
Start	14663	End	17330
Name	OJ000113_01.0426.C11.o1.ts	Method	TBLASTX:Soybean
Start	3398	End	3759
GI	none	Score	123
Exons	3398..3553, 3539..3685, 3547..3759		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119209	Strand	-
Start	14663	End	17330
Name	OJ000113_01.0426.C11.o2.tc	Method	TBLASTX:Cress
Start	3418	End	3768
GI	none	Score	112
Exons	3418..3558, 3422..3553, 3538..3768, 3539..3676		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119209	Strand	-
Start	14663	End	17330
Name	OJ000113_01.0426.C11.o3.gs	Method	GENSCAN
Start	14663	End	17298
GI	none	Score	.88
Exons	14663..14908, 15016..15216, 15320..15573, 15772..16049, 16455..16654, 16778..16981, 17148..17298		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119209	Strand	-
Start	14663	End	17330
Name	OJ000113_01.0426.C11.o7.np	Method	AAT/NAP
Start	14666	End	15245
GI	7489383	Score	302
Exons	14666..14901, 15012..15245		
GI Descrip.	jacalin homolog - barley gi|1167955|gb|AAA87042.1| (U43497) putative 32.7 kDa jasmonate-induced protein [Hordeum vulgare] gi|2465428|gb|AAB72097.1| (AF021257) 32 kDa protein [Hordeum vulgare]		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119209	Strand	-
Start	14663	End	17330
Name	OJ000113_01.0426.C11.o4.tm	Method	TBLASTX:Maize
Start	14677	End	17330
GI	none	Score	59
Exons	14677..14736, 14678..14740, 14807..14860, 14810..14890, 14811..14861, 15082..15210, 15089..15205, 15410..15535, 15411..15539, 16427..16606, 16429..16590, 16550..16651, 16785..16901, 16790..16924, 16925..16972, 17166..17330, 17182..17328		

Seq. No.	56963	Seq. ID	OJ000113_01.0426.C11
Gene No.	119209	Strand	-
Start	14663	End	17330
Name	OJ000113_01.0426.C11.o8.np	Method	AAT/NAP
Start	16415	End	16976
GI	7489383	Score	333
Exons	16415..16654, 16778..16976		
GI Descrip.	jacalin homolog - barley gi|1167955|gb|AAA87042.1| (U43497) putative 32.7 kDa jasmonate-induced protein [Hordeum vulgare] gi|2465428|gb|AAB72097.1| (AF021257) 32 kDa protein [Hordeum vulgare]		

Seq. No.	56964	Seq. ID	OJ000113_01.0426.C12
Gene No.	119210	Strand	-
Start	23	End	802
Name	OJ000113_01.0426.C12.o1.gs	Method	GENSCAN
Start	23	End	802
GI	none	Score	.95
Exons	23..331, 434..640, 758..802		

Seq. No.	56964	Seq. ID	OJ000113_01.0426.C12
Gene No.	119210	Strand	-
Start	23	End	802
Name	OJ000113_01.0426.C12.o1.np	Method	AAT/NAP
Start	89	End	659
GI	7489385	Score	308
Exons	89..325, 431..659		
GI Descrip.	jakalin homolog - barley gi|1167953|gb|AAA87041.1| (U43496) putative 32.6 kDa jasmonate-induced protein [Hordeum vulgare] gi|2465426|gb|AAB72096.1| (AF021256) 32 kDa protein [Hordeum vulgare]		

Seq. No.	56964	Seq. ID	OJ000113_01.0426.C12
Gene No.	119210	Strand	-
Start	23	End	802
Name	OJ000113_01.0426.C12.o1.tm	Method	TBLASTX:Maize
Start	92	End	622
GI	none	Score	64
Exons	92..217, 99..215, 281..331, 282..341, 449..622, 507..617		

Seq. No.	56965	Seq. ID	OJ000113_01.0426.C13
Gene No.	119211	Strand	+
Start	6009	End	7830
Name	OJ000113_01.0426.C13.o3.gs	Method	GENSCAN
Start	6009	End	7830
GI	none	Score	.97
Exons	6009..6081, 7409..7830		

Seq. No.	56965	Seq. ID	OJ000113_01.0426.C13
Gene No.	119212	Strand	-
Start	1	End	11086
Name	OJ000113_01.0426.C13.o1.np	Method	AAT/NAP
Start	1	End	11086
GI	7434412	Score	303
Exons	1..157, 233..478, 747..978, 1103..1166, 1215..1364, 1438..1570, 11002..11086		
GI Descrip.	probable S-receptor kinase (EC 2.7.1.-) srk29 - wild cabbage gi|459245|emb|CAA82930.1| (Z30211) srk29 [Brassica oleracea]		

Seq. No.	56965	Seq. ID	OJ000113_01.0426.C13
Gene No.	119212	Strand	-
Start	1	End	11086
Name	OJ000113_01.0426.C13.o1.gs	Method	GENSCAN
Start	29	End	1569
GI	none	Score	.88
Exons	29..225, 328..478, 747..978, 1214..1364, 1438..1569		

Seq. No.	56965	Seq. ID	OJ000113_01.0426.C13
Gene No.	119212	Strand	-
Start	1	End	11086
Name	OJ000113_01.0426.C13.o1.ts	Method	TBLASTX:Soybean
Start	331	End	1563
GI	none	Score	74
Exons	331..477, 758..961, 761..994, 1113..1166, 1203..1298, 1323..1370, 1438..1563		

Seq. No.	56965	Seq. ID	OJ000113_01.0426.C13
Gene No.	119212	Strand	-
Start	1	End	11086
Name	OJ000113_01.0426.C13.o1.tc	Method	TBLASTX:Cress
Start	749	End	1298
GI	none	Score	70
Exons	749..991, 1113..1169, 1203..1298		

Seq. No.	56965	Seq. ID	OJ000113_01.0426.C13
Gene No.	119212	Strand	-
Start	1	End	11086
Name	OJ000113_01.0426.C13.o1.tm	Method	TBLASTX:Maize
Start	783	End	1164

GI	none	Score	127
Exons	783..1025, 788..982, 793..1044, 803..1027, 1102..1164, 1105..1155		
Seq. No.	56965	Seq. ID	OJ000113_01.0426.C13
Gene No.	119212	Strand	-
Start	1	End	11086
Name	OJ000113_01.0426.C13.o1.tw	Method	TBLASTX:Wheat
Start	1113	End	1542
GI	none	Score	88
Exons	1113..1370, 1116..1310, 1123..1311, 1323..1349, 1324..1350, 1438..1542		
Seq. No.	56965	Seq. ID	OJ000113_01.0426.C13
Gene No.	119212	Strand	-
Start	1	End	11086
Name	OJ000113_01.0426.C13.o2.gs	Method	GENSCAN
Start	2584	End	3451
GI	none	Score	.85
Exons	2584..2928, 3002..3247, 3326..3451		
Seq. No.	56965	Seq. ID	OJ000113_01.0426.C13
Gene No.	119212	Strand	-
Start	1	End	11086
Name	OJ000113_01.0426.C13.o4.gs	Method	GENSCAN
Start	8556	End	9418
GI	none	Score	.43
Exons	8556..8570, 8752..8842, 9144..9418		
Seq. No.	56966	Seq. ID	OJ000103_03.0426.C1
Gene No.	119213	Strand	-
Start	61	End	4553
Name	OJ000103_03.0426.C1.o1.np	Method	AAT/NAP
Start	61	End	4534
GI	4850399	Score	1322
Exons	61..375, 409..447, 544..956, 1026..1230, 1285..1410, 1904..1957, 2041..2115, 2211..2270, 2604..2708, 2978..3031, 3121..3270, 3375..3507, 3575..3699, 3828..4004, 4136..4534		
GI Descrip.	(AC007357) F3F19.18 [Arabidopsis thaliana]		
Seq. No.	56966	Seq. ID	OJ000103_03.0426.C1
Gene No.	119213	Strand	-
Start	61	End	4553
Name	OJ000103_03.0426.C1.o1.tm	Method	TBLASTX:Maize
Start	331	End	3192
GI	none	Score	100
Exons	331..417, 332..424, 341..448, 351..473, 540..773, 543..773, 843..911, 924..1028, 940..1023, 950..1027, 1018..1230, 1027..1233, 1029..1232, 1297..1407, 1298..1408, 1307..1408, 1332..1412, 1869..1958, 1901..1960, 1905..1958, 2038..2136, 2040..2111, 2041..2115, 2208..2276, 2211..2276, 2604..2702, 2605..2700, 2878..2928, 2975..3034, 2976..3032, 2977..3033, 3121..3192, 3128..3190		
Seq. No.	56966	Seq. ID	OJ000103_03.0426.C1
Gene No.	119213	Strand	-
Start	61	End	4553

Name	OJ000103_03.0426.C1.o1.gs	Method	GENSCAN
Start	466	End	4546
GI	none	Score	.88
Exons	466..1257, 1309..1410, 2978..3031, 3121..3270, 3375..3507, 3575..3699, 3828..4004, 4136..4546		

Seq. No.	56966	Seq. ID	OJ000103_03.0426.C1
Gene No.	119213	Strand	-
Start	61	End	4553
Name	OJ000103_03.0426.C1.o1.gp	Method	AAT/GAP
Start	962	End	1398
GI	427365	Score	681
Exons	962..1230, 1309..1398		
GI Descrip.	4850399/gb|AAD31069.1|AC007357_18 1.0e-13 (AC007357) F3F19.18 [Arabidopsis thaliana]		

Seq. No.	56966	Seq. ID	OJ000103_03.0426.C1
Gene No.	119213	Strand	-
Start	61	End	4553
Name	OJ000103_03.0426.C1.o2.ts	Method	TBLASTX:Soybean
Start	1306	End	2243
GI	none	Score	117
Exons	1306..1407, 1307..1411, 1904..1960, 1907..1957, 2038..2136, 2040..2111, 2041..2115, 2208..2243		

Seq. No.	56966	Seq. ID	OJ000103_03.0426.C1
Gene No.	119213	Strand	-
Start	61	End	4553
Name	OJ000103_03.0426.C1.o2.tm	Method	TBLASTX:Maize
Start	3411	End	3702
GI	none	Score	101
Exons	3411..3506, 3419..3505, 3465..3509, 3472..3510, 3544..3702, 3548..3697, 3573..3701, 3574..3702		

Seq. No.	56966	Seq. ID	OJ000103_03.0426.C1
Gene No.	119213	Strand	-
Start	61	End	4553
Name	OJ000103_03.0426.C1.o1.ts	Method	TBLASTX:Soybean
Start	3565	End	3945
GI	none	Score	93
Exons	3565..3714, 3575..3697, 3828..3944, 3844..3945		

Seq. No.	56966	Seq. ID	OJ000103_03.0426.C1
Gene No.	119213	Strand	-
Start	61	End	4553
Name	OJ000103_03.0426.C1.o1.tc	Method	TBLASTX:Cress
Start	4145	End	4477
GI	none	Score	114
Exons	4145..4315, 4346..4477		

Seq. No.	56966	Seq. ID	OJ000103_03.0426.C1
Gene No.	119213	Strand	-
Start	61	End	4553
Name	OJ000103_03.0426.C1.o3.tm	Method	TBLASTX:Maize
Start	4388	End	4553
GI	none	Score	93
Exons	4388..4552, 4440..4553		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119214	Strand	+
Start	165	End	1314
Name	OJ000103_03.0426.C2.o1.gs	Method	GENSCAN
Start	165	End	1314
GI	none	Score	.63
Exons	165..315, 413..603, 1101..1314		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119215	Strand	+
Start	3199	End	8021
Name	OJ000103_03.0426.C2.o1.gp	Method	AAT/GAP
Start	2717	End	3079
GI	63359_1.R1084	Score	645
Exons	2717..3079		
GI Descrip.	'5262763/emb|CAB45911.1| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]'		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119215	Strand	+
Start	3199	End	8021
Name	OJ000103_03.0426.C2.o1.np	Method	AAT/NAP
Start	3157	End	7495
GI	7267279	Score	1582
Exons	3157..3393, 3488..3632, 3813..3922, 4032..4151, 4239..4442, 4533..4742, 4818..4892, 4975..5121, 5260..5401, 5511..5620, 5973..6131, 6209..6411, 6699..6780, 6936..7040, 7122..7226, 7319..7495		
GI Descrip.	(AL161503) kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119215	Strand	+
Start	3199	End	8021
Name	OJ000103_03.0426.C2.o2.gs	Method	GENSCAN
Start	3199	End	8021
GI	none	Score	.95
Exons	3199..3399, 3488..3632, 3813..3922, 4032..4151, 4239..4442, 4533..4742, 4818..4892, 4975..5121, 5260..5401, 5511..5620, 5973..6131, 6209..6411, 6699..6780, 6936..7040, 7122..7226, 7319..7420, 7878..8021		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119215	Strand	+
Start	3199	End	8021
Name	OJ000103_03.0426.C2.o2.gp	Method	AAT/GAP
Start	3205	End	4070
GI	uC-osf1M202097d05b1	Score	874
Exons	3205..3399, 3488..3632, 3813..3922, 4032..4070		
GI Descrip.	'1170620/sp|P46864|KATB_ARATH 4.0e-19 KINESIN-LIKE PROTEIN B >gi_1084341_pir__S48019 kinesin-related protein katB - Arabidopsis thaliana >gi_1438842_dbj_BAA04673_ (D21137) heavy chain polypeptide of kinesin-like protein [Arabidopsis thaliana]'		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119215	Strand	+

Start	3199	End	8021
Name	OJ000103_03.0426.C2.o3.gp	Method	AAT/GAP
Start	6998	End	7817
GI	25545_1.R1084	Score	1247
Exons	6998..7040, 7122..7226, 7319..7817		
GI Descrip.	'1170619/sp|Q07970|KATA_ARATH 5.0e-47 KINESIN-LIKE PROTEIN A >gi_479594_pir__S34830 kinesin-related protein katA - Arabidopsis thaliana >gi_303502_dbj_BAA01972_ (D11371) kinesin-like motor protein heavy chain [Arabidopsis thaliana] >gi_2911084_emb_CAA17546.1_ (AL021960) kinesin-related protein katA [Arabidopsis thaliana]'		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119216	Strand	+
Start	18974	End	23986
Name	OJ000103_03.0426.C2.o4.gs	Method	GENSCAN
Start	18974	End	23986
GI	none	Score	.61
Exons	18974..19204, 20752..20979, 21396..21518, 21887..22048, 22446..22561, 23467..23986		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119216	Strand	+
Start	18974	End	23986
Name	OJ000103_03.0426.C2.o4.gp	Method	AAT/GAP
Start	19285	End	19751
GI	none	Score	875
Exons	19285..19751		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119216	Strand	+
Start	18974	End	23986
Name	OJ000103_03.0426.C2.o5.gp	Method	AAT/GAP
Start	20748	End	22316
GI	21070_1.R1084	Score	1452
Exons	20748..20979, 21396..21518, 21887..22316		
GI Descrip.	'4928460/gb|AAD33596.1|AF133127_1 6.0e-28 (AF133127) thioredoxin h [Hevea brasiliensis]'		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119216	Strand	+
Start	18974	End	23986
Name	OJ000103_03.0426.C2.o3.np	Method	AAT/NAP
Start	20878	End	22036
GI	4928460	Score	289
Exons	20878..20979, 21396..21518, 21887..22036		
GI Descrip.	(AF133127) thioredoxin h [Hevea brasiliensis]		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119217	Strand	+
Start	26431	End	33292
Name	OJ000103_03.0426.C2.o6.gs	Method	GENSCAN
Start	26431	End	33292
GI	none	Score	.72
Exons	26431..26926, 27019..27171, 27337..27512, 27599..27670, 27761..27835, 27920..28928, 29481..29611, 30082..30303, 30564..31070, 31160..31428, 32575..33292		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119217	Strand	+
Start	26431	End	33292
Name	OJ000103_03.0426.C2.o4.np	Method	AAT/NAP
Start	27594	End	31422
GI	2443887	Score	1459
Exons	27594..27670, 27761..27835, 27920..28110, 28237..28928, 29481..29611, 30082..30264, 30555..31070, 31160..31422		
GI Descrip.	(AC002294) Similar to transcription factor gb|Z46606|1658307 and others [Arabidopsis thaliana]		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119218	Strand	+
Start	34334	End	36492
Name	OJ000103_03.0426.C2.o7.gs	Method	GENSCAN
Start	34334	End	36483
GI	none	Score	.76
Exons	34334..34663, 35240..35315, 35432..35517, 35620..35924, 36176..36288, 36452..36483		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119218	Strand	+
Start	34334	End	36492
Name	OJ000103_03.0426.C2.o6.gp	Method	AAT/GAP
Start	35733	End	36492
GI	none	Score	580
Exons	35733..35924, 36176..36288, 36452..36492		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119219	Strand	-
Start	9779	End	18258
Name	OJ000103_03.0426.C2.o3.gs	Method	GENSCAN
Start	9779	End	18258
GI	none	Score	.76
Exons	9779..9978, 10408..14568, 15148..15394, 15795..15931, 17244..17275, 17492..17651, 17968..18093, 18174..18258		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119219	Strand	-
Start	9779	End	18258
Name	OJ000103_03.0426.C2.o2.np	Method	AAT/NAP
Start	10391	End	14560
GI	7489738	Score	4435
Exons	10391..14357, 14400..14560		
GI Descrip.	gag-pol polyprotein - maize copia-like retrotransposon Sto-4 gi|4234852|gb|AAD12997.1| (AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o3.tm	Method	TBLASTX:Maize
Start	3262	End	5630
GI	none	Score	129
Exons	3262..3399, 3270..3392, 3485..3631, 3487..3633, 3487..3612, 3812..3925, 3812..3907, 4030..4149, 4032..4160, 4085..4153,		

4233..4439, 4238..4444, 4239..4448, 4495..4713, 4512..4742,
4538..4744, 4539..4796, 4807..4848, 4813..4875, 4817..4879,
4817..4921, 4969..5076, 4974..5075, 5068..5124, 5077..5121,
5259..5318, 5260..5403, 5355..5408, 5501..5545, 5509..5544,
5565..5582, 5580..5630

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o1.tc	Method	TBLASTX:Cress
Start	3485	End	7504
GI	none	Score	88
Exons	3485..3622, 4248..4445, 4253..4381, 4539..4742, 4817..4891, 4972..5121, 4977..5123, 5260..5316, 5305..5403, 5485..5628, 5501..5638, 5534..5644, 5970..6035, 6030..6140, 6041..6133, 6203..6283, 6205..6252, 6284..6412, 6693..6779, 6694..6780, 6929..7036, 6933..7040, 7119..7226, 7121..7219, 7295..7504, 7309..7458		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o11.ts	Method	TBLASTX:Soybean
Start	4274	End	4655
GI	none	Score	120
Exons	4274..4384, 4275..4448, 4539..4655, 4544..4654		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o4.ts	Method	TBLASTX:Soybean
Start	5314	End	6418
GI	none	Score	65
Exons	5314..5406, 5510..5638, 5517..5621, 5521..5628, 5525..5644, 5952..6029, 5970..6050, 6030..6140, 6047..6133, 6203..6256, 6205..6249, 6293..6418, 6295..6414		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o5.tm	Method	TBLASTX:Maize
Start	5944	End	6279
GI	none	Score	261
Exons	5944..6129, 5970..6140, 5970..6131, 6204..6278, 6204..6278, 6205..6279		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o7.tm	Method	TBLASTX:Maize
Start	6933	End	7368
GI	none	Score	146
Exons	6933..7037, 6947..7036, 6980..7042, 7118..7216, 7121..7219, 7122..7226, 7125..7232, 7295..7366, 7309..7368		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-

Start	25411	End	25794
Name	OJ000103_03.0426.C2.o1.ts	Method	TBLASTX:Soybean
Start	7005	End	7501
GI	none	Score	55
Exons	7005..7037, 7007..7036, 7121..7219, 7122..7226, 7295..7501, 7309..7470		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o14.tm	Method	TBLASTX:Maize
Start	10430	End	10888
GI	none	Score	55
Exons	10430..10621, 10670..10846, 10829..10888		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o3.tw	Method	TBLASTX:Wheat
Start	10442	End	10841
GI	none	Score	118
Exons	10442..10837, 10608..10841		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o7.ts	Method	TBLASTX:Soybean
Start	10445	End	11011
GI	none	Score	131
Exons	10445..10636, 10625..10816, 10829..11011		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o8.tm	Method	TBLASTX:Maize
Start	10901	End	11332
GI	none	Score	126
Exons	10901..11197, 10902..11057, 11171..11332		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o1.tw	Method	TBLASTX:Wheat
Start	10997	End	11777
GI	none	Score	154
Exons	10997..11446, 11001..11447, 11423..11776, 11430..11777, 11432..11776		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o9.tm	Method	TBLASTX:Maize
Start	11333	End	11776
GI	none	Score	139
Exons	11333..11434, 11468..11776, 11469..11759		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2

Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o2.ts	Method	TBLASTX:Soybean
Start	11468	End	11905
GI	5509260	Score	44
Exons	11468..11905, 11469..11501, 11544..11816, 11872..11898		
GI Descrip.	-		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o4.tc	Method	TBLASTX:Cress
Start	11558	End	11818
GI	none	Score	116
Exons	11558..11818, 11580..11816		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o6.ts	Method	TBLASTX:Soybean
Start	12416	End	12802
GI	none	Score	81
Exons	12416..12589, 12593..12802, 12621..12800		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o2.tw	Method	TBLASTX:Wheat
Start	12419	End	13081
GI	none	Score	35
Exons	12419..12517, 12444..12518, 12497..12802, 12519..12779, 12842..13081, 12843..13067		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o5.tc	Method	TBLASTX:Cress
Start	12422	End	12802
GI	none	Score	127
Exons	12422..12589, 12602..12802		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o10.tm	Method	TBLASTX:Maize
Start	12608	End	13066
GI	none	Score	84
Exons	12608..12793, 12630..12791, 12842..13066		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o3.ts	Method	TBLASTX:Soybean
Start	12857	End	13243
GI	none	Score	122
Exons	12857..13243, 13026..13232		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o4.tw	Method	TBLASTX:Wheat
Start	13100	End	13537
GI	none	Score	110
Exons	13100..13270, 13340..13537		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o2.tm	Method	TBLASTX:Maize
Start	13457	End	14468
GI	none	Score	50
Exons	13457..13522, 13563..13613, 13718..13849, 13737..13778, 13859..14467, 13890..14468		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o13.tm	Method	TBLASTX:Maize
Start	20859	End	22124
GI	none	Score	152
Exons	20859..20981, 20866..20982, 21729..21761, 21873..21929, 21881..22015, 21886..22020, 22091..22120, 22098..22124		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o11.tm	Method	TBLASTX:Maize
Start	21384	End	21522
GI	none	Score	116
Exons	21384..21521, 21388..21501, 21388..21522, 21396..21521		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119220	Strand	-
Start	25411	End	25794
Name	OJ000103_03.0426.C2.o5.gs	Method	GENSCAN
Start	25411	End	25794
GI	none	Score	.99
Exons	25411..25794		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119221	Strand	
Start	27754	End	28380
Name	OJ000103_03.0426.C2.o12.tm	Method	TBLASTX:Maize
Start	27754	End	28380
GI	none	Score	124
Exons	27754..27834, 27758..27835, 27916..28014, 27917..28042, 27919..28020, 28022..28042, 28180..28380, 28205..28378		

Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119222	Strand	
Start	28391	End	31890
Name	OJ000103_03.0426.C2.o2.tc	Method	TBLASTX:Cress
Start	28391	End	28822
GI	none	Score	127

Exons	28391..28498, 28393..28476, 28484..28543, 28604..28822, 28605..28820, 28606..28821		
Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119222	Strand	
Start	28391	End	31890
Name	OJ000103_03.0426.C2.o4.tm	Method	TBLASTX:Maize
Start	28412	End	28831
GI	none	Score	93
Exons	28412..28480, 28414..28476, 28472..28831, 28621..28821		
Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119222	Strand	
Start	28391	End	31890
Name	OJ000103_03.0426.C2.o5.ts	Method	TBLASTX:Soybean
Start	28708	End	29622
GI	none	Score	306
Exons	28708..28938, 28709..28936, 29464..29622, 29483..29617		
Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119222	Strand	
Start	28391	End	31890
Name	OJ000103_03.0426.C2.o1.tm	Method	TBLASTX:Maize
Start	29460	End	31890
GI	none	Score	68
Exons	29460..29615, 29480..29617, 29480..29611, 30081..30302, 30085..30303, 30088..30291, 30221..30304, 30546..30665, 30547..30738, 30563..30739, 30564..30767, 30812..31072, 30820..31071, 30825..31073, 30828..31121, 31157..31369, 31158..31301, 31159..31371, 31159..31371, 31727..31888, 31770..31889, 31777..31890		
Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119222	Strand	
Start	28391	End	31890
Name	OJ000103_03.0426.C2.o9.ts	Method	TBLASTX:Soybean
Start	30065	End	30303
GI	none	Score	66
Exons	30065..30169, 30078..30173, 30079..30303, 30079..30243, 30081..30251		
Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119222	Strand	
Start	28391	End	31890
Name	OJ000103_03.0426.C2.o8.ts	Method	TBLASTX:Soybean
Start	30556	End	31273
GI	none	Score	79
Exons	30556..30645, 30560..30610, 30560..30703, 30561..30737, 30921..31073, 30923..31072, 31145..31273, 31155..31250, 31159..31266, 31196..31270		
Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119222	Strand	
Start	28391	End	31890
Name	OJ000103_03.0426.C2.o3.tc	Method	TBLASTX:Cress
Start	31157	End	31889
GI	none	Score	322

Exons	31157..31369, 31159..31365, 31193..31372, 31769..31879, 31770..31889		
Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119223	Strand	
Start	32783	End	33133
Name	OJ000103_03.0426.C2.o10.ts	Method	TBLASTX:Soybean
Start	32783	End	33133
GI	none	Score	57
Exons	32783..32977, 33068..33133		
Seq. No.	56967	Seq. ID	OJ000103_03.0426.C2
Gene No.	119224	Strand	
Start	34563	End	35816
Name	OJ000103_03.0426.C2.o6.tm	Method	TBLASTX:Maize
Start	34563	End	35816
GI	none	Score	115
Exons	34563..34670, 34589..34663, 35237..35317, 35238..35330, 35429..35521, 35430..35516, 35431..35520, 35611..35745, 35617..35811, 35619..35795, 35619..35816		
Seq. No.	56968	Seq. ID	OJ000103_03.0426.C3
Gene No.	119225	Strand	+
Start	97	End	2011
Name	OJ000103_03.0426.C3.o1.gs	Method	GENSCAN
Start	97	End	2011
GI	none	Score	.7
Exons	97..227, 1228..1433, 1537..1613, 1671..1760, 1870..1945, 1959..2011		
Seq. No.	56968	Seq. ID	OJ000103_03.0426.C3
Gene No.	119226	Strand	-
Start	2265	End	7127
Name	OJ000103_03.0426.C3.o2.tm	Method	TBLASTX:Maize
Start	96	End	2009
GI	none	Score	59
Exons	96..152, 96..140, 97..153, 145..225, 151..228, 165..230, 165..230, 573..662, 573..662, 574..723, 577..663, 840..932, 867..911, 868..915, 1016..1093, 1024..1089, 1038..1094, 1047..1097, 1231..1308, 1232..1297, 1361..1435, 1361..1435, 1363..1437, 1529..1618, 1536..1613, 1701..1763, 1703..1759, 1867..1968, 1869..2009, 1870..1977		
Seq. No.	56968	Seq. ID	OJ000103_03.0426.C3
Gene No.	119226	Strand	-
Start	2265	End	7127
Name	OJ000103_03.0426.C3.o1.tw	Method	TBLASTX:Wheat
Start	861	End	1330
GI	none	Score	72
Exons	861..926, 861..926, 863..928, 865..927, 1015..1089, 1018..1101, 1019..1102, 1020..1103, 1023..1151, 1133..1186, 1133..1189, 1205..1330, 1216..1326		
Seq. No.	56968	Seq. ID	OJ000103_03.0426.C3
Gene No.	119226	Strand	-
Start	2265	End	7127
Name	OJ000103_03.0426.C3.o1.gp	Method	AAT/GAP

Start	2265	End	3207
GI	13803_1.R1084	Score	953
Exons	2265..2516, 2716..2838, 2911..3012, 3131..3207		
GI Descrip.	'3935138 9.0e-30 (AC005106) T25N20.2 [Arabidopsis thaliana]'		

Seq. No.	56968	Seq. ID	OJ000103_03.0426.C3
Gene No.	119226	Strand	-
Start	2265	End	7127
Name	OJ000103_03.0426.C3.o1.tm	Method	TBLASTX:Maize
Start	2320	End	5360
GI	none	Score	34
Exons	2320..2352, 2409..2435, 2411..2434, 2417..2497, 2418..2498, 2715..2837, 2721..2837, 2725..2844, 2726..2839, 2911..3021, 2912..3013, 3114..3194, 3128..3193, 3131..3199, 3138..3197, 3531..3632, 3536..3634, 3571..3642, 3712..3765, 3712..3765, 3716..3766, 3854..3925, 3873..3917, 3999..4061, 4005..4049, 4009..4077, 4009..4059, 4058..4243, 4064..4243, 5222..5356, 5259..5360, 5271..5357		

Seq. No.	56968	Seq. ID	OJ000103_03.0426.C3
Gene No.	119226	Strand	-
Start	2265	End	7127
Name	OJ000103_03.0426.C3.o2.gs	Method	GENSCAN
Start	2725	End	7075
GI	none	Score	.54
Exons	2725..2838, 2911..3012, 3131..3196, 3528..3629, 3712..3768, 3872..3919, 4008..4241, 5157..5183, 5271..5436, 6710..6776, 6823..7075		

Seq. No.	56968	Seq. ID	OJ000103_03.0426.C3
Gene No.	119226	Strand	-
Start	2265	End	7127
Name	OJ000103_03.0426.C3.o1.tc	Method	TBLASTX:Cress
Start	2737	End	3916
GI	none	Score	53
Exons	2737..2844, 2744..2839, 2911..3024, 2911..3021, 2927..3028, 3128..3199, 3530..3619, 3530..3619, 3531..3635, 3531..3632, 3670..3768, 3713..3769, 3854..3916, 3870..3914		

Seq. No.	56968	Seq. ID	OJ000103_03.0426.C3
Gene No.	119226	Strand	-
Start	2265	End	7127
Name	OJ000103_03.0426.C3.o1.ts	Method	TBLASTX:Soybean
Start	2737	End	4077
GI	none	Score	71
Exons	2737..2844, 2744..2839, 2744..2848, 2911..3021, 2912..3028, 3125..3199, 3522..3587, 3531..3632, 3571..3630, 3670..3768, 3716..3769, 3854..3916, 3864..3917, 4011..4049, 4012..4077		

Seq. No.	56968	Seq. ID	OJ000103_03.0426.C3
Gene No.	119226	Strand	-
Start	2265	End	7127
Name	OJ000103_03.0426.C3.o2.tw	Method	TBLASTX:Wheat
Start	2914	End	3768
GI	none	Score	87
Exons	2914..3021, 2927..3013, 3108..3197, 3531..3632, 3571..3642, 3712..3768		

Seq. No.	56968	Seq. ID	OJ000103_03.0426.C3
Gene No.	119226	Strand	-
Start	2265	End	7127
Name	OJ000103_03.0426.C3.o1.np	Method	AAT/NAP
Start	6601	End	7127
GI	2982283	Score	87
Exons	6601..6792, 6974..7127		
GI Descrip.	(AF051226) PREG-like protein [Picea mariana]		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119227	Strand	+
Start	4260	End	18372
Name	OJ000103_03.0426.C4.o2.gs	Method	GENSCAN
Start	4260	End	18372
GI	none	Score	.47
Exons	4260..4371, 5315..5366, 5914..5980, 6292..6462, 6953..7025, 8064..8214, 10170..10218, 10382..10447, 10534..10697, 10923..11839, 11998..12284, 12379..12597, 15430..15612, 15834..16110, 16266..16381, 16702..18372		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119227	Strand	+
Start	4260	End	18372
Name	OJ000103_03.0426.C4.o2.np	Method	AAT/NAP
Start	6565	End	8513
GI	4680186	Score	165
Exons	6565..6585, 8312..8513		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119227	Strand	+
Start	4260	End	18372
Name	OJ000103_03.0426.C4.o1.gp	Method	AAT/GAP
Start	10815	End	11423
GI	none	Score	1007
Exons	10815..11423		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119227	Strand	+
Start	4260	End	18372
Name	OJ000103_03.0426.C4.o2.gp	Method	AAT/GAP
Start	12677	End	13918
GI	969005	Score	642
Exons	12677..12840, 13611..13918		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119228	Strand	+
Start	34197	End	38652
Name	OJ000103_03.0426.C4.o4.np	Method	AAT/NAP
Start	34077	End	36234
GI	5042416	Score	431
Exons	34077..34138, 34974..35140, 35493..36234		
GI Descrip.	(AC006193) Unknown protein [Arabidopsis thaliana]		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119228	Strand	+

Start	34197	End	38652
Name	OJ000103_03.0426.C4.o7.gs	Method	GENSCAN
Start	34197	End	38652
GI	none	Score	.47
Exons	34197..34239, 34580..34690, 34852..35140, 35493..35836, 35951..36147, 37900..38652		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119228	Strand	+
Start	34197	End	38652
Name	OJ000103_03.0426.C4.o5.np	Method	AAT/NAP
Start	38300	End	38649
GI	4585973	Score	354
Exons	38300..38649		
GI Descrip.	(AC005287) translation initiation factor [Arabidopsis thaliana]		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119229	Strand	-
Start	1	End	1260
Name	OJ000103_03.0426.C4.o1.np	Method	AAT/NAP
Start	1	End	1260
GI	2982283	Score	160
Exons	1..24, 681..924, 967..1260		
GI Descrip.	(AF051226) PREG-like protein [Picea mariana]		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119229	Strand	-
Start	1	End	1260
Name	OJ000103_03.0426.C4.o1.gs	Method	GENSCAN
Start	701	End	1111
GI	none	Score	.77
Exons	701..1111		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119230	Strand	-
Start	20159	End	20827
Name	OJ000103_03.0426.C4.o3.gs	Method	GENSCAN
Start	20159	End	20827
GI	none	Score	1
Exons	20159..20827		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119231	Strand	-
Start	23728	End	25948
Name	OJ000103_03.0426.C4.o4.gs	Method	GENSCAN
Start	23728	End	25948
GI	none	Score	.87
Exons	23728..24140, 24762..24930, 25153..25341, 25430..25597, 25934..25948		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119232	Strand	-
Start	28247	End	30085
Name	OJ000103_03.0426.C4.o5.gs	Method	GENSCAN
Start	28247	End	30085
GI	none	Score	.92
Exons	28247..29301, 29461..30085		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o10.tm	Method	TBLASTX:Maize
Start	4245	End	5752
GI	none	Score	189
Exons	4245..4370, 4248..4379, 4253..4372, 4446..4550, 4457..4546, 5104..5217, 5111..5218, 5113..5217, 5114..5218, 5312..5365, 5313..5369, 5341..5385, 5651..5752, 5662..5748		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o6.ts	Method	TBLASTX:Soybean
Start	4259	End	5369
GI	none	Score	124
Exons	4259..4372, 4259..4390, 4260..4379, 4446..4550, 4457..4549, 5104..5217, 5119..5205, 5276..5353, 5310..5369		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o4.tc	Method	TBLASTX:Cress
Start	6388	End	7146
GI	none	Score	117
Exons	6388..6468, 6414..6458, 6575..6667, 6576..6695, 6761..6835, 6763..6837, 6800..6844, 6956..7024, 6967..7023, 7089..7145, 7102..7146		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o7.tc	Method	TBLASTX:Cress
Start	11167	End	11442
GI	none	Score	206
Exons	11167..11442, 11169..11276, 11322..11441		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o3.tm	Method	TBLASTX:Maize
Start	12176	End	13908
GI	none	Score	82
Exons	12176..12226, 12177..12227, 12231..12284, 12366..12596, 12372..12596, 12379..12600, 12683..12844, 12684..12842, 13602..13694, 13606..13695, 13609..13716, 13610..13717, 13610..13717, 13721..13894, 13724..13903, 13725..13898, 13726..13908		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o5.tw	Method	TBLASTX:Wheat
Start	12519	End	13698
GI	none	Score	91
Exons	12519..12596, 12520..12600, 12520..12597, 12682..12840,		

12683..12844, 12684..12854, 13605..13691, 13606..13692,
13609..13698, 13610..13696

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o6.tc	Method	TBLASTX:Cress
Start	12559	End	12844
GI	none	Score	51
Exons	12559..12600, 12684..12842, 12686..12844		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o8.tm	Method	TBLASTX:Maize
Start	17022	End	17306
GI	none	Score	196
Exons	17022..17276, 17022..17306, 17023..17301		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o2.tm	Method	TBLASTX:Maize
Start	17308	End	17998
GI	none	Score	163
Exons	17308..17478, 17310..17465, 17464..17994, 17473..17823, 17480..17998, 17586..17993, 17860..17994		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o8.ts	Method	TBLASTX:Soybean
Start	17617	End	17994
GI	none	Score	221
Exons	17617..17994		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o2.tw	Method	TBLASTX:Wheat
Start	17883	End	18285
GI	none	Score	163
Exons	17883..17993, 17884..17997, 17884..18015, 17891..18022, 17894..18016, 18025..18285, 18052..18285		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o5.ts	Method	TBLASTX:Soybean
Start	18055	End	18369
GI	none	Score	268
Exons	18055..18369		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o8.tc	Method	TBLASTX:Cress

Start	18058	End	18345
GI	none	Score	203
Exons	18058..18345, 18144..18257		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o11.tm	Method	TBLASTX:Maize
Start	18067	End	18366
GI	none	Score	240
Exons	18067..18366, 18087..18362		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o2.tc	Method	TBLASTX:Cress
Start	23716	End	25576
GI	none	Score	78
Exons	23716..24168, 23728..24093, 23954..24169, 24736..24846, 24832..24924, 25150..25296, 25312..25353, 25424..25576, 25425..25544		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o9.tm	Method	TBLASTX:Maize
Start	23728	End	24924
GI	none	Score	71
Exons	23728..23805, 23731..23838, 23735..23839, 23860..24006, 23863..24006, 24013..24063, 24013..24066, 24053..24175, 24076..24168, 24808..24924		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o4.ts	Method	TBLASTX:Soybean
Start	23731	End	25567
GI	none	Score	103
Exons	23731..23844, 23732..23851, 23860..24000, 23942..24007, 24022..24168, 24048..24140, 24827..24931, 24841..24930, 25159..25293, 25159..25296, 25178..25294, 25424..25567, 25425..25457		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o6.tm	Method	TBLASTX:Maize
Start	25141	End	25567
GI	none	Score	133
Exons	25141..25353, 25181..25342, 25424..25567, 25434..25559		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o4.tw	Method	TBLASTX:Wheat
Start	25159	End	25568
GI	none	Score	62

Exons	25159..25275, 25159..25353, 25181..25294, 25424..25567, 25434..25568		
Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o3.ts	Method	TBLASTX:Soybean
Start	28245	End	28699
GI	none	Score	148
Exons	28245..28676, 28250..28699		
Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o4.tm	Method	TBLASTX:Maize
Start	28292	End	29947
GI	none	Score	210
Exons	28292..28924, 28386..28955, 28493..28960, 28667..28924, 28691..28930, 29051..29293, 29051..29290, 29459..29794, 29460..29684, 29468..29638, 29663..29851, 29738..29947, 29739..29930, 29750..29941		
Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o5.tc	Method	TBLASTX:Cress
Start	28427	End	29890
GI	none	Score	136
Exons	28427..28819, 28449..28820, 29456..29587, 29738..29890, 29751..29879		
Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o6.tw	Method	TBLASTX:Wheat
Start	28559	End	29962
GI	none	Score	112
Exons	28559..28924, 28560..28964, 28619..28735, 29060..29167, 29207..29305, 29471..29803, 29472..29684, 29738..29962		
Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o9.ts	Method	TBLASTX:Soybean
Start	28700	End	29950
GI	none	Score	67
Exons	28700..28840, 28760..28930, 29465..29608, 29528..29905, 29774..29902, 29831..29950		
Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o3.gp	Method	AAT/GAP
Start	31438	End	32808
GI	294_6.R1084	Score	2395
Exons	31438..32808		
GI Descrip.	'541546/pir||S40611 2.0e-55 ubiquitin precursor - Volvox carteri		

>gi_395295_emb_CAA52290_ (X74214) polyubiquitin [Volvox carteri]'

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o1.tm	Method	TBLASTX:Maize
Start	31644	End	32810
GI	none	Score	713
Exons	31644..32420, 31658..32419, 31688..32431, 31773..31871, 31775..32659, 31781..32443, 31923..32204, 32001..32327, 32003..32797, 32011..32679, 32379..32798, 32379..32798, 32379..32660, 32457..32798, 32685..32810		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o1.ts	Method	TBLASTX:Soybean
Start	31644	End	32815
GI	none	Score	56
Exons	31644..32567, 31651..31701, 31653..32342, 31658..32446, 31661..32125, 31688..32806, 31689..31871, 31769..32443, 31886..32797, 31891..32175, 31917..32324, 31917..32327, 32108..32443, 32236..32502, 32336..32671, 32338..32568, 32338..32580, 32353..32679, 32368..32667, 32373..32798, 32373..32798, 32373..32798, 32373..32810, 32492..32815, 32571..32798		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o1.tw	Method	TBLASTX:Wheat
Start	31644	End	32818
GI	none	Score	52
Exons	31644..31883, 31655..31714, 31659..32111, 31660..31719, 31660..31719, 31661..31906, 31665..32339, 31666..31719, 31688..32341, 31689..31868, 31689..32114, 31769..32341, 31883..32569, 31889..32446, 31917..32570, 32111..32800, 32112..32324, 32350..32679, 32353..32679, 32373..32798, 32373..32798, 32568..32816, 32570..32818		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o3.np	Method	AAT/NAP
Start	31652	End	32847
GI	418854	Score	1864
Exons	31652..32847		
GI Descrip.	ubiquitin precursor - parsley gi|288112|emb|CAA45621| (X64344) polyubiquitin [Petroselinum crispum] gi|288114|emb|CAA45622| (X64345) polyubiquitin [Petroselinum crispum]		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o6.gs	Method	GENSCAN
Start	31652	End	32797

GI	none	Score	.96
Exons	31652..32797		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119233	Strand	-
Start	31652	End	32847
Name	OJ000103_03.0426.C4.o1.tc	Method	TBLASTX:Cress
Start	31655	End	32836
GI	none	Score	818
Exons	31655..32818, 31658..32569, 31659..32111, 31662..32552, 31662..32339, 31688..32836, 31688..32797, 31877..32797, 31886..32797, 31917..32114, 32105..32818, 32330..32818, 32338..32679, 32373..32819		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119234	Strand	
Start	34876	End	36207
Name	OJ000103_03.0426.C4.o5.tm	Method	TBLASTX:Maize
Start	34876	End	36165
GI	none	Score	82
Exons	34876..34962, 34876..34935, 34887..34961, 34899..34967, 34950..35141, 34964..35143, 34965..35141, 35425..35742, 35458..35742, 35923..35982, 36004..36066, 36109..36165		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119234	Strand	
Start	34876	End	36207
Name	OJ000103_03.0426.C4.o7.ts	Method	TBLASTX:Soybean
Start	35494	End	36189
GI	none	Score	103
Exons	35494..35637, 35659..35745, 35860..36060, 35907..36059, 36100..36189		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119234	Strand	
Start	34876	End	36207
Name	OJ000103_03.0426.C4.o9.tc	Method	TBLASTX:Cress
Start	35524	End	36207
GI	none	Score	95
Exons	35524..35739, 35949..36059, 35950..36207, 35977..36186		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119235	Strand	
Start	38398	End	38673
Name	OJ000103_03.0426.C4.o2.ts	Method	TBLASTX:Soybean
Start	38398	End	38652
GI	none	Score	337
Exons	38398..38652, 38433..38456, 38553..38645		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119235	Strand	
Start	38398	End	38673
Name	OJ000103_03.0426.C4.o3.tc	Method	TBLASTX:Cress
Start	38398	End	38652
GI	none	Score	340
Exons	38398..38652		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119235	Strand	
Start	38398	End	38673
Name	OJ000103_03.0426.C4.o3.tw	Method	TBLASTX:Wheat
Start	38398	End	38673
GI	none	Score	332
Exons	38398..38673		

Seq. No.	56969	Seq. ID	OJ000103_03.0426.C4
Gene No.	119235	Strand	
Start	38398	End	38673
Name	OJ000103_03.0426.C4.o7.tm	Method	TBLASTX:Maize
Start	38398	End	38673
GI	none	Score	331
Exons	38398..38673		

Seq. No.	56970	Seq. ID	OJ000113_03.0426.C2
Gene No.	119236	Strand	-
Start	184	End	440
Name	OJ000113_03.0426.C2.o1.gp	Method	AAT/GAP
Start	184	End	440
GI	none	Score	449
Exons	184..440		

Seq. No.	56970	Seq. ID	OJ000113_03.0426.C2
Gene No.	119237	Strand	-
Start	850	End	3742
Name	OJ000113_03.0426.C2.o1.gs	Method	GENSCAN
Start	850	End	3709
GI	none	Score	.8
Exons	850..960, 1297..1392, 1527..1602, 2109..2231, 2334..2475, 2560..2671, 2841..2993, 3509..3579, 3652..3709		

Seq. No.	56970	Seq. ID	OJ000113_03.0426.C2
Gene No.	119237	Strand	-
Start	850	End	3742
Name	OJ000113_03.0426.C2.o2.tm	Method	TBLASTX:Maize
Start	1065	End	1593
GI	none	Score	168
Exons	1065..1193, 1066..1194, 1069..1194, 1294..1392, 1297..1389, 1298..1393, 1524..1592, 1527..1592, 1528..1593, 1528..1593		

Seq. No.	56970	Seq. ID	OJ000113_03.0426.C2
Gene No.	119237	Strand	-
Start	850	End	3742
Name	OJ000113_03.0426.C2.o1.tm	Method	TBLASTX:Maize
Start	2335	End	3742
GI	none	Score	188
Exons	2335..2475, 2336..2476, 2548..2673, 2548..2667, 2558..2671, 2571..2681, 2832..2993, 2841..2993, 2842..2994, 3509..3565, 3510..3566, 3511..3567, 3650..3739, 3651..3710, 3653..3742		

Seq. No.	56971	Seq. ID	OJ000113_03.0426.C3
Gene No.	119238	Strand	-
Start	205	End	2282
Name	OJ000113_03.0426.C3.o1.gs	Method	GENSCAN
Start	205	End	2282

GI	none	Score	.98
Exons	205..269, 404..488, 580..683,	1127..1193, 1441..1636, 2179..2282	

Seq. No.	56971	Seq. ID	OJ000113_03.0426.C3
Gene No.	119238	Strand	-
Start	205	End	2282
Name	OJ000113_03.0426.C3.o1.tm	Method	TBLASTX:Maize
Start	206	End	631
GI	none	Score	101
Exons	206..271, 209..271, 216..284, 402..497, 404..496, 563..631,	216..272, 229..288, 402..491, 580..630	

Seq. No.	56971	Seq. ID	OJ000113_03.0426.C3
Gene No.	119238	Strand	-
Start	205	End	2282
Name	OJ000113_03.0426.C3.o1.ts	Method	TBLASTX:Soybean
Start	229	End	688
GI	none	Score	70
Exons	229..249, 241..276, 245..277, 424..489, 563..688, 583..681	403..486, 405..488, 423..485,	

Seq. No.	56972	Seq. ID	OJ000113_03.0426.C4
Gene No.	119239	Strand	-
Start	2142	End	3594
Name	OJ000113_03.0426.C4.o1.ts	Method	TBLASTX:Soybean
Start	387	End	572
GI	none	Score	75
Exons	387..572, 406..459		

Seq. No.	56972	Seq. ID	OJ000113_03.0426.C4
Gene No.	119239	Strand	-
Start	2142	End	3594
Name	OJ000113_03.0426.C4.o1.tc	Method	TBLASTX:Cress
Start	390	End	572
GI	none	Score	66
Exons	390..572, 406..459		

Seq. No.	56972	Seq. ID	OJ000113_03.0426.C4
Gene No.	119239	Strand	-
Start	2142	End	3594
Name	OJ000113_03.0426.C4.o2.tm	Method	TBLASTX:Maize
Start	438	End	563
GI	none	Score	226
Exons	438..563		

Seq. No.	56972	Seq. ID	OJ000113_03.0426.C4
Gene No.	119239	Strand	-
Start	2142	End	3594
Name	OJ000113_03.0426.C4.o1.tm	Method	TBLASTX:Maize
Start	2009	End	2377
GI	none	Score	234
Exons	2009..2377		

Seq. No.	56972	Seq. ID	OJ000113_03.0426.C4
Gene No.	119239	Strand	-
Start	2142	End	3594
Name	OJ000113_03.0426.C4.o2.gs	Method	GENSCAN

Start	2142	End	3594
GI	none	Score	.55
Exons	2142..2195, 2956..3103, 3379..3434, 3589..3594		

Seq. No.	56973	Seq. ID	OJ000113_03.0426.C5
Gene No.	119240	Strand	+
Start	1	End	210
Name	OJ000113_03.0426.C5.o1.np	Method	AAT/NAP
Start	1	End	210
GI	6630699	Score	84
Exons	1..210		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	56973	Seq. ID	OJ000113_03.0426.C5
Gene No.	119241	Strand	+
Start	859	End	5387
Name	OJ000113_03.0426.C5.o1.gs	Method	GENSCAN
Start	859	End	5387
GI	none	Score	.62
Exons	859..931, 2988..3088, 4644..4794, 4988..5185, 5263..5387		

Seq. No.	56973	Seq. ID	OJ000113_03.0426.C5
Gene No.	119242	Strand	+
Start	6072	End	7910
Name	OJ000113_03.0426.C5.o1.gp	Method	AAT/GAP
Start	6072	End	6288
GI	47093_1.R1084	Score	385
Exons	6072..6288		
GI Descrip.	'2493494/sp|P55748|CP22_HORVU 9.0e-72 SERINE CARBOXYPEPTIDASE II-2 PRECURSOR (CP-MII.2) >gi_619351_bbs_153537 CP-MII.2=serine carboxypeptidase [Hordeum vulgare=barley, cv. Alexis, aleurone, Peptide, 436 aa] >gi_6102957_emb_CAB59202.1_ (X78878) serine carboxylase II-2 [Hordeum vulgare]'		

Seq. No.	56973	Seq. ID	OJ000113_03.0426.C5
Gene No.	119242	Strand	+
Start	6072	End	7910
Name	OJ000113_03.0426.C5.o3.np	Method	AAT/NAP
Start	6131	End	7910
GI	2493494	Score	201
Exons	6131..6292, 7887..7910		
GI Descrip.	SERINE CARBOXYPEPTIDASE II-2 PRECURSOR (CP-MII.2) gi|619351|bbs|153537 CP-MII.2=serine carboxypeptidase [Hordeum vulgare=barley, cv. Alexis, aleurone, Peptide, 436 aa] gi|6102957|emb|CAB59202.1| (X78878) serine carboxylase II-2 [Hordeum vulgare]		

Seq. No.	56973	Seq. ID	OJ000113_03.0426.C5
Gene No.	119243	Strand	-
Start	349	End	456
Name	OJ000113_03.0426.C5.o2.np	Method	AAT/NAP
Start	349	End	456
GI	5922619	Score	102
Exons	349..456		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa]		

gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No.	56973	Seq. ID	OJ000113_03.0426.C5
Gene No.	119244	Strand	
Start	6098	End	6301
Name	OJ000113_03.0426.C5.o1.tc	Method	TBLASTX:Cress
Start	6098	End	6289
GI	none	Score	218
Exons	6098..6289, 6142..6288		

Seq. No.	56973	Seq. ID	OJ000113_03.0426.C5
Gene No.	119244	Strand	
Start	6098	End	6301
Name	OJ000113_03.0426.C5.o1.tm	Method	TBLASTX:Maize
Start	6104	End	6301
GI	none	Score	270
Exons	6104..6289, 6142..6288, 6155..6301		

Seq. No.	56973	Seq. ID	OJ000113_03.0426.C5
Gene No.	119244	Strand	
Start	6098	End	6301
Name	OJ000113_03.0426.C5.o1.ts	Method	TBLASTX:Soybean
Start	6113	End	6301
GI	none	Score	231
Exons	6113..6289, 6142..6288, 6155..6301		

Seq. No.	56974	Seq. ID	OJ000113_03.0426.C6
Gene No.	119245	Strand	+
Start	1	End	2408
Name	OJ000113_03.0426.C6.o1.np	Method	AAT/NAP
Start	1	End	2408
GI	2493494	Score	1043
Exons	1..173, 463..558, 658..750, 849..934, 1254..1520, 2203..2408		
GI Descrip.	SERINE CARBOXYPEPTIDASE II-2 PRECURSOR (CP-MII.2) gi|619351|bbs|153537 CP-MII.2=serine carboxypeptidase [Hordeum vulgare=barley, cv. Alexis, aleurone, Peptide, 436 aa] gi|6102957|emb|CAB59202.1| (X78878) serine carboxylase II-2 [Hordeum vulgare]		

Seq. No.	56974	Seq. ID	OJ000113_03.0426.C6
Gene No.	119245	Strand	+
Start	1	End	2408
Name	OJ000113_03.0426.C6.o1.tm	Method	TBLASTX:Maize
Start	64	End	2335
GI	none	Score	93
Exons	64..168, 64..168, 65..172, 460..561, 461..556, 461..562, 462..581, 653..751, 654..752, 657..755, 658..756, 665..754, 839..937, 847..936, 851..940, 852..941, 1253..1519, 1256..1519, 1257..1520, 1260..1532, 1261..1521, 2162..2269, 2198..2269, 2202..2273, 2203..2286, 2271..2333, 2276..2335, 2277..2333		

Seq. No.	56974	Seq. ID	OJ000113_03.0426.C6
Gene No.	119245	Strand	+
Start	1	End	2408
Name	OJ000113_03.0426.C6.o1.ts	Method	TBLASTX:Soybean
Start	64	End	2349

GI none Score 159
Exons 64..168, 65..172, 101..169, 461..574, 462..581, 653..751, 654..752, 839..937, 847..936, 1247..1375, 1247..1474, 1257..1520, 1415..1540, 2206..2268, 2208..2270, 2228..2284, 2277..2333, 2281..2349

Seq. No. 56974 Seq. ID OJ000113_03.0426.C6
Gene No. 119245 Strand +
Start 1 End 2408
Name OJ000113_03.0426.C6.o1.gs Method GENSCAN
Start 66 End 2335
GI none Score .73
Exons 66..173, 658..717, 849..934, 1254..1520, 2203..2335

Seq. No. 56974 Seq. ID OJ000113_03.0426.C6
Gene No. 119245 Strand +
Start 1 End 2408
Name OJ000113_03.0426.C6.o2.tc Method TBLASTX:Cress
Start 464 End 895
GI none Score 102
Exons 464..556, 465..581, 653..751, 654..752, 839..895

Seq. No. 56974 Seq. ID OJ000113_03.0426.C6
Gene No. 119245 Strand +
Start 1 End 2408
Name OJ000113_03.0426.C6.o1.gp Method AAT/GAP
Start 720 End 2313
GI 32844_1.R1084 Score 827
Exons 720..750, 849..934, 1254..1520, 2203..2313
GI Descrip. '2493494/sp|P55748|CP22_HORVU 2.0e-64 SERINE CARBOXYPEPTIDASE II-2 PRECURSOR (CP-MII.2) >gi_619351_bbs_153537 CP-MII.2=serine carboxypeptidase [Hordeum vulgare=barley, cv. Alexis, aleurone, Peptide, 436 aa] >gi_6102957_emb_CAB59202.1_ (X78878) serine carboxylase II-2 [Hordeum vulgare]'

Seq. No. 56974 Seq. ID OJ000113_03.0426.C6
Gene No. 119245 Strand +
Start 1 End 2408
Name OJ000113_03.0426.C6.o1.tc Method TBLASTX:Cress
Start 1253 End 2303
GI none Score 63
Exons 1253..1513, 1256..1525, 1257..1514, 2212..2286, 2277..2303

Seq. No. 56975 Seq. ID OJ000113_03.0426.C7
Gene No. 119246 Strand +
Start 373 End 3068
Name OJ000113_03.0426.C7.o1.gp Method AAT/GAP
Start 373 End 842
GI 1224_1.R1084 Score 891
Exons 373..842
GI Descrip. '2493494/sp|P55748|CP22_HORVU 7.0e-56 SERINE CARBOXYPEPTIDASE II-2 PRECURSOR (CP-MII.2) >gi_619351_bbs_153537 CP-MII.2=serine carboxypeptidase [Hordeum vulgare=barley, cv. Alexis, aleurone, Peptide, 436 aa] >gi_6102957_emb_CAB59202.1_ (X78878) serine carboxylase II-2 [Hordeum vulgare]'

Seq. No. 56975 Seq. ID OJ000113_03.0426.C7

Gene No.	119246	Strand	+
Start	373	End	3068
Name	OJ000113_03.0426.C7.o1.gs	Method	GENSCAN
Start	375	End	3068
GI	none	Score	.54
Exons	375..419, 2898..3068		

Seq. No.	56975	Seq. ID	OJ000113_03.0426.C7
Gene No.	119246	Strand	+
Start	373	End	3068
Name	OJ000113_03.0426.C7.o1.np	Method	AAT/NAP
Start	375	End	536
GI	2493494	Score	210
Exons	375..536		
GI Descrip.	SERINE CARBOXYPEPTIDASE II-2 PRECURSOR (CP-MII.2) gi|619351|bbs|153537 CP-MII.2=serine carboxypeptidase [Hordeum vulgare=barley, cv. Alexis, aleurone, Peptide, 436 aa] gi|6102957|emb|CAB59202.1| (X78878) serine carboxylase II-2 [Hordeum vulgare]		

Seq. No.	56975	Seq. ID	OJ000113_03.0426.C7
Gene No.	119247	Strand	+
Start	5202	End	5875
Name	OJ000113_03.0426.C7.o2.np	Method	AAT/NAP
Start	5202	End	5875
GI	4115373	Score	347
Exons	5202..5357, 5400..5875		
GI Descrip.	(AC005967) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	56975	Seq. ID	OJ000113_03.0426.C7
Gene No.	119248	Strand	-
Start	5205	End	5830
Name	OJ000113_03.0426.C7.o1.tm	Method	TBLASTX:Maize
Start	373	End	563
GI	none	Score	117
Exons	373..507, 374..508, 374..508, 378..563		

Seq. No.	56975	Seq. ID	OJ000113_03.0426.C7
Gene No.	119248	Strand	-
Start	5205	End	5830
Name	OJ000113_03.0426.C7.o1.tc	Method	TBLASTX:Cress
Start	374	End	530
GI	none	Score	190
Exons	374..502, 378..530		

Seq. No.	56975	Seq. ID	OJ000113_03.0426.C7
Gene No.	119248	Strand	-
Start	5205	End	5830
Name	OJ000113_03.0426.C7.o2.ts	Method	TBLASTX:Soybean
Start	374	End	518
GI	none	Score	180
Exons	374..511, 378..518		

Seq. No.	56975	Seq. ID	OJ000113_03.0426.C7
Gene No.	119248	Strand	-
Start	5205	End	5830

Name	OJ000113_03.0426.C7.o2.gs	Method	GENSCAN
Start	5205	End	5830
GI	none	Score	.96
Exons	5205..5830		

Seq. No.	56975	Seq. ID	OJ000113_03.0426.C7
Gene No.	119248	Strand	-
Start	5205	End	5830
Name	OJ000113_03.0426.C7.o1.ts	Method	TBLASTX:Soybean
Start	5222	End	5771
GI	none	Score	38
Exons	5222..5245, 5370..5414, 5451..5771		

Seq. No.	56975	Seq. ID	OJ000113_03.0426.C7
Gene No.	119248	Strand	-
Start	5205	End	5830
Name	OJ000113_03.0426.C7.o2.tm	Method	TBLASTX:Maize
Start	5451	End	5717
GI	none	Score	190
Exons	5451..5717		

Seq. No.	56976	Seq. ID	OJ000113_03.0426.C8
Gene No.	119249	Strand	+
Start	1	End	2741
Name	OJ000113_03.0426.C8.o1.np	Method	AAT/NAP
Start	1	End	2687
GI	4115373	Score	1786
Exons	1..1870, 2275..2687		
GI Descrip.	(AC005967) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	56976	Seq. ID	OJ000113_03.0426.C8
Gene No.	119249	Strand	+
Start	1	End	2741
Name	OJ000113_03.0426.C8.o1.gs	Method	GENSCAN
Start	48	End	2741
GI	none	Score	.94
Exons	48..1870, 2275..2741		

Seq. No.	56976	Seq. ID	OJ000113_03.0426.C8
Gene No.	119249	Strand	+
Start	1	End	2741
Name	OJ000113_03.0426.C8.o2.tw	Method	TBLASTX:Wheat
Start	76	End	528
GI	none	Score	176
Exons	76..399, 253..498, 358..528		

Seq. No.	56976	Seq. ID	OJ000113_03.0426.C8
Gene No.	119249	Strand	+
Start	1	End	2741
Name	OJ000113_03.0426.C8.o1.tc	Method	TBLASTX:Cress
Start	85	End	2369
GI	none	Score	64
Exons	85..171, 184..588, 187..615, 187..309, 190..642, 190..588, 190..585, 190..615, 196..384, 250..588, 325..384, 361..621, 361..642, 406..639, 465..590, 466..591, 619..786, 619..786, 622..786, 622..882, 625..732, 625..786, 844..879, 1402..1545,		

1603..1749, 2274..2369

Seq. No.	56976	Seq. ID	OJ000113_03.0426.C8
Gene No.	119249	Strand	+
Start	1	End	2741
Name	OJ000113_03.0426.C8.o1.tm	Method	TBLASTX:Maize
Start	85	End	981
GI	none	Score	53
Exons	85..177, 88..171, 97..372, 211..786, 262..444, 289..573, 292..444, 316..732, 360..806, 361..516, 432..587, 496..618, 589..735, 639..845, 643..786, 645..881, 723..890, 856..981		

Seq. No.	56976	Seq. ID	OJ000113_03.0426.C8
Gene No.	119249	Strand	+
Start	1	End	2741
Name	OJ000113_03.0426.C8.o2.ts	Method	TBLASTX:Soybean
Start	175	End	1005
GI	none	Score	218
Exons	175..585, 187..615, 190..642, 190..615, 253..642, 360..587, 388..615, 517..588, 619..786, 622..882, 625..786, 625..786, 886..1005		

Seq. No.	56976	Seq. ID	OJ000113_03.0426.C8
Gene No.	119249	Strand	+
Start	1	End	2741
Name	OJ000113_03.0426.C8.o1.ts	Method	TBLASTX:Soybean
Start	1246	End	2411
GI	none	Score	114
Exons	1246..1404, 1251..1370, 1398..1463, 1399..1485, 1603..1749, 1825..1869, 2273..2392, 2274..2411		

Seq. No.	56976	Seq. ID	OJ000113_03.0426.C8
Gene No.	119249	Strand	+
Start	1	End	2741
Name	OJ000113_03.0426.C8.o2.tm	Method	TBLASTX:Maize
Start	1251	End	2375
GI	none	Score	115
Exons	1251..1364, 1252..1368, 1402..1539, 1603..1749, 2274..2375		

Seq. No.	56976	Seq. ID	OJ000113_03.0426.C8
Gene No.	119249	Strand	+
Start	1	End	2741
Name	OJ000113_03.0426.C8.o1.tw	Method	TBLASTX:Wheat
Start	1381	End	1869
GI	none	Score	90
Exons	1381..1545, 1603..1746, 1840..1869		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119250	Strand	+
Start	1274	End	4564
Name	OJ000113_03.0426.C9.o1.gs	Method	GENSCAN
Start	1274	End	4564
GI	none	Score	1
Exons	1274..3998, 4107..4564		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119250	Strand	+

Start	1274	End	4564
Name	OJ000113_03.0426.C9.o1.np	Method	AAT/NAP
Start	1292	End	4478
GI	4115373	Score	2075
Exons	1292..1636, 1778..3998, 4107..4478		
GI Descrip.	(AC005967) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119251	Strand	+
Start	16863	End	19226
Name	OJ000113_03.0426.C9.o4.gs	Method	GENSCAN
Start	16863	End	19226
GI	none	Score	.72
Exons	16863..19226		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119251	Strand	+
Start	16863	End	19226
Name	OJ000113_03.0426.C9.o2.np	Method	AAT/NAP
Start	16864	End	19223
GI	5725434	Score	1982
Exons	16864..19223		
GI Descrip.	(AL109787) putative protein [Arabidopsis thaliana]		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119252	Strand	-
Start	5919	End	9349
Name	OJ000113_03.0426.C9.o2.gs	Method	GENSCAN
Start	5919	End	9349
GI	none	Score	.58
Exons	5919..6331, 6748..9349		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119253	Strand	-
Start	10164	End	14368
Name	OJ000113_03.0426.C9.o3.gs	Method	GENSCAN
Start	10164	End	14368
GI	none	Score	.76
Exons	10164..10306, 11219..11282, 12493..12660, 12763..12881, 13062..13123, 13788..13806, 14059..14368		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119253	Strand	-
Start	10164	End	14368
Name	OJ000113_03.0426.C9.o1.gp	Method	AAT/GAP
Start	10839	End	14259
GI	1780_1.R1084	Score	1755
Exons	10839..11257, 12493..12660, 12763..12881, 13062..13123, 13233..13309, 14120..14259		
GI Descrip.	'2982362 1.0e-86 (AF053311) glutathione peroxidase [Zantedeschia aethiopica]'		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119254	Strand	-
Start	14354	End	14463
Name	OJ000113_03.0426.C9.o2.gp	Method	AAT/GAP

Start	14354	End	14463
GI	none	Score	165
Exons	14354..14463		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119255	Strand	-
Start	19903	End	20389
Name	OJ000113_03.0426.C9.o3.gp	Method	AAT/GAP
Start	19903	End	20389
GI	uC-osflcyp116a09a1	Score	898
Exons	19903..20389		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119256	Strand	-
Start	20762	End	22707
Name	OJ000113_03.0426.C9.o4.tc	Method	TBLASTX:Cress
Start	1350	End	9176
GI	none	Score	36
Exons	1350..1406, 1436..1900, 1453..1752, 1484..1906, 1487..1903, 1496..1906, 1499..1807, 1499..1822, 1499..1897, 1499..1897, 1571..1915, 1631..1906, 1676..1822, 1847..1906, 1898..2113, 1898..1978, 1910..1972, 1919..1972, 1940..2047, 1985..2113, 1985..2122, 1985..2113, 1991..2122, 2186..2284, 2186..2284, 2225..2284, 2321..2434, 2432..2578, 2432..2581, 2432..2578, 2432..2578, 2432..2578, 2438..2578, 2447..2578, 2468..2578, 2555..2731, 2561..2731, 2585..2725, 2588..2728, 2596..2799, 2792..2992, 2792..2992, 2792..3100, 2792..2992, 2792..2992, 2822..2869, 2831..2992, 2831..2992, 3047..3148, 3755..3877, 4136..4201, 4289..4393, 6237..6341, 6881..7051, 7100..7237, 7598..7732, 7616..7990, 7637..7993, 7658..7918, 7664..7990, 7667..7990, 7667..7996, 7667..7990, 7727..7867, 7734..7964, 7871..7993, 7967..8065, 7970..8065, 8009..8068, 8018..8065, 8075..8269, 8078..8269, 8078..8269, 8081..8269, 8081..8266, 8081..8266, 8087..8212, 8090..8269, 8090..8200, 8222..8269, 8324..8443, 8327..8425, 8327..8416, 8337..8426, 8414..8554, 8420..8515, 8618..8755, 8618..8770, 8618..8770, 8624..8758, 8627..8845, 8627..8755, 8627..8755, 8777..8836, 8777..8836, 8837..9130, 8843..9175, 8846..9106, 8849..9100, 8852..9100, 9006..9176		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119256	Strand	-
Start	20762	End	22707
Name	OJ000113_03.0426.C9.o3.tw	Method	TBLASTX:Wheat
Start	1439	End	9208
GI	none	Score	47
Exons	1439..1492, 1487..1804, 1571..1882, 1631..1897, 1772..1897, 1957..2064, 1985..2098, 1985..2110, 2585..2710, 2641..2793, 7658..7918, 7751..7993, 7970..8065, 8090..8269, 8852..9124, 8951..9130, 9122..9208		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119256	Strand	-
Start	20762	End	22707
Name	OJ000113_03.0426.C9.o3.ts	Method	TBLASTX:Soybean

Start	1475	End	9106
GI	none	Score	268
Exons	1475..1927, 1496..1906, 1499..1897, 1499..1897, 1520..1897, 1525..1752, 1525..1752, 1562..1906, 1657..1752, 1697..1906, 1892..2113, 1898..1978, 1985..2122, 1991..2119, 2186..2287, 2189..2284, 2219..2302, 2312..2437, 2432..2581, 2432..2578, 2432..2581, 2450..2578, 2582..2731, 2588..2731, 2588..2731, 2629..2868, 2789..2866, 2789..2932, 2792..3091, 2792..2959, 2876..2941, 3047..3133, 7595..7990, 7616..7732, 7658..7990, 7658..7858, 7658..7990, 7664..7990, 7667..7993, 7667..7936, 7802..7903, 7970..8065, 8021..8071, 8078..8269, 8081..8269, 8081..8215, 8081..8269, 8090..8269, 8171..8269, 8327..8437, 8327..8416, 8327..8425, 8618..8755, 8618..8770, 8618..8755, 8618..8770, 8618..8779, 8843..9106, 8843..9106, 8852..9100		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119256	Strand	-
Start	20762	End	22707
Name	OJ000113_03.0426.C9.o4.tm	Method	TBLASTX:Maize
Start	1487	End	9106
GI	none	Score	258
Exons	1487..1906, 1496..1906, 1499..1897, 1499..1879, 1898..1978, 1991..2122, 2312..2434, 2432..2578, 2432..2578, 2432..2578, 2584..2991, 2588..2731, 2588..2731, 2588..2725, 2792..3064, 2792..2992, 2792..2956, 2882..2992, 7595..7774, 7652..7990, 7658..7918, 7664..7993, 7667..7990, 7685..7987, 7727..7867, 7757..7993, 7898..7990, 8009..8062, 8018..8062, 8060..8269, 8081..8269, 8081..8266, 8093..8257, 8111..8437, 8327..8425, 8327..8416, 8618..8755, 8618..8740, 8843..9106, 8849..9100		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119256	Strand	-
Start	20762	End	22707
Name	OJ000113_03.0426.C9.o3.tm	Method	TBLASTX:Maize
Start	3383	End	7403
GI	none	Score	187
Exons	3383..3682, 3758..3910, 4121..4204, 6875..7045, 7115..7237, 7268..7402, 7296..7403		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119256	Strand	-
Start	20762	End	22707
Name	OJ000113_03.0426.C9.o2.ts	Method	TBLASTX:Soybean
Start	3398	End	7387
GI	none	Score	107
Exons	3398..3550, 3542..3631, 3626..3673, 3761..3877, 3896..3997, 4105..4224, 4109..4276, 6138..6341, 6199..6342, 6749..6817, 6869..7045, 7151..7240, 7271..7387		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119256	Strand	-
Start	20762	End	22707
Name	OJ000113_03.0426.C9.o1.tw	Method	TBLASTX:Wheat
Start	11188	End	12873
GI	none	Score	140
Exons	11188..11217, 11226..11258, 12493..12576, 12494..12580, 12580..12663, 12581..12661, 12753..12866, 12760..12873,		

12761..12871

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119256	Strand	-
Start	20762	End	22707
Name	OJ000113_03.0426.C9.o1.ts	Method	TBLASTX:Soybean
Start	12492	End	13334
GI	none	Score	206

Exons 12492..12662, 12493..12663, 12494..12661, 12760..12882, 12761..12883, 12761..12883, 12761..12895, 13060..13122, 13073..13123, 13210..13317, 13227..13325, 13235..13315, 13242..13334

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119256	Strand	-
Start	20762	End	22707
Name	OJ000113_03.0426.C9.o2.tc	Method	TBLASTX:Cress
Start	12493	End	12884
GI	none	Score	233

Exons 12493..12663, 12494..12661, 12760..12882, 12761..12883, 12761..12883, 12762..12884

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119256	Strand	-
Start	20762	End	22707
Name	OJ000113_03.0426.C9.o2.tm	Method	TBLASTX:Maize
Start	12493	End	13315
GI	none	Score	166

Exons 12493..12663, 12494..12661, 12760..12882, 12761..12883, 13060..13122, 13235..13315

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119256	Strand	-
Start	20762	End	22707
Name	OJ000113_03.0426.C9.o1.tm	Method	TBLASTX:Maize
Start	17310	End	22381
GI	none	Score	67

Exons 17310..17441, 17445..17786, 17454..17807, 17457..17843, 17483..17737, 17697..18080, 17793..18143, 17865..18170, 17867..18079, 17966..18181, 17988..18383, 18069..18596, 18074..18328, 18087..18539, 18090..18380, 18212..18328, 18227..18580, 18234..18365, 18627..18935, 20750..21508, 21003..21281, 21128..21208, 21128..21307, 21173..21508, 21215..21598, 21438..21743, 21464..21811, 21488..21814, 21509..21796, 21510..21806, 21573..21701, 21758..22123, 21770..22117, 21872..22216, 21875..22024, 22016..22288, 22094..22297, 22127..22294, 22179..22298, 22187..22303, 22310..22381

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119256	Strand	-
Start	20762	End	22707
Name	OJ000113_03.0426.C9.o6.ts	Method	TBLASTX:Soybean
Start	17355	End	22309
GI	none	Score	66

Exons 17355..17429, 17484..17717, 17637..18020, 17639..17848, 17940..18323, 17948..18022, 17960..18160, 18224..18322, 18243..18383, 21197..21355, 21275..21658, 21435..21659,

21578..21961, 21881..22264, 22022..22264, 22184..22309

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119256	Strand	-
Start	20762	End	22707
Name	OJ000113_03.0426.C9.o2.tw	Method	TBLASTX:Wheat
Start	17483	End	22285
GI	none	Score	147
Exons	17483..17740, 17484..17822, 17751..18137, 18054..18521, 18089..18520, 18222..18521, 18348..18464, 21074..21544, 21075..21380, 21464..21691, 21501..21695, 21725..21847, 21732..21800, 21768..21896, 21770..22147, 22014..22136, 22040..22285		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119256	Strand	-
Start	20762	End	22707
Name	OJ000113_03.0426.C9.o3.tc	Method	TBLASTX:Cress
Start	17490	End	22294
GI	none	Score	196
Exons	17490..17846, 17703..18164, 18003..18581, 18446..18553, 20921..21031, 21029..21592, 21045..21293, 21155..21304, 21434..21895, 21731..22213, 21756..21896, 22022..22294		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119256	Strand	-
Start	20762	End	22707
Name	OJ000113_03.0426.C9.o5.ts	Method	TBLASTX:Soybean
Start	18411	End	21196
GI	none	Score	130
Exons	18411..18596, 18618..18860, 18767..18859, 20771..21196, 20883..21077		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119256	Strand	-
Start	20762	End	22707
Name	OJ000113_03.0426.C9.o5.tc	Method	TBLASTX:Cress
Start	18618	End	20914
GI	none	Score	198
Exons	18618..18842, 20771..20914		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119256	Strand	-
Start	20762	End	22707
Name	OJ000113_03.0426.C9.o1.tc	Method	TBLASTX:Cress
Start	18847	End	19228
GI	none	Score	451
Exons	18847..19224, 18848..19228, 18852..19226		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119256	Strand	-
Start	20762	End	22707
Name	OJ000113_03.0426.C9.o4.ts	Method	TBLASTX:Soybean
Start	18861	End	19226
GI	none	Score	336
Exons	18861..19226, 19028..19225		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119256	Strand	-
Start	20762	End	22707
Name	OJ000113_03.0426.C9.o5.tm	Method	TBLASTX:Maize
Start	18939	End	19228
GI	none	Score	250
Exons	18939..19226, 19028..19228		

Seq. No.	56977	Seq. ID	OJ000113_03.0426.C9
Gene No.	119256	Strand	-
Start	20762	End	22707
Name	OJ000113_03.0426.C9.o3.np	Method	AAT/NAP
Start	20762	End	22707
GI	4335760	Score	1512
Exons	20762..22707		
GI Descrip.	(AC006284) unknown protein [Arabidopsis thaliana]		

Seq. No.	56978	Seq. ID	OJ000113_03.0426.C11
Gene No.	119257	Strand	+
Start	171	End	277
Name	OJ000113_03.0426.C11.o1.gs	Method	GENSCAN
Start	171	End	277
GI	none	Score	.76
Exons	171..277		

Seq. No.	56979	Seq. ID	OJ000113_03.0426.C12
Gene No.	119258	Strand	+
Start	1595	End	2286
Name	OJ000113_03.0426.C12.o2.gp	Method	AAT/GAP
Start	1566	End	2124
GI	3760078	Score	1035
Exons	1566..2124		
GI Descrip.	2239083/emb|CAB06427| 5.0e-20 (Z84383) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus] >gi_2239087_emb_CAB06429_ (Z84385) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]		

Seq. No.	56979	Seq. ID	OJ000113_03.0426.C12
Gene No.	119258	Strand	+
Start	1595	End	2286
Name	OJ000113_03.0426.C12.o1.np	Method	AAT/NAP
Start	1583	End	2286
GI	6469032	Score	373
Exons	1583..2286		
GI Descrip.	(AB035183) N-hydroxycinnamoyl/benzoyltransferase [Ipomoea batatas]		

Seq. No.	56979	Seq. ID	OJ000113_03.0426.C12
Gene No.	119258	Strand	+
Start	1595	End	2286
Name	OJ000113_03.0426.C12.o2.gs	Method	GENSCAN
Start	1595	End	2273
GI	none	Score	1
Exons	1595..2273		

Seq. No.	56979	Seq. ID	OJ000113_03.0426.C12
Gene No.	119259	Strand	-

Start	491	End	553
Name	OJ000113_03.0426.C12.o1.gs	Method	GENSCAN
Start	491	End	553
GI	none	Score	.56
Exons	491..553		

Seq. No.	56979	Seq. ID	OJ000113_03.0426.C12
Gene No.	119260	Strand	
Start	1604	End	2216
Name	OJ000113_03.0426.C12.o1.tc	Method	TBLASTX:Cress
Start	1604	End	2154
GI	none	Score	245
Exons	1604..1885, 2005..2154, 2006..2134		

Seq. No.	56979	Seq. ID	OJ000113_03.0426.C12
Gene No.	119260	Strand	
Start	1604	End	2216
Name	OJ000113_03.0426.C12.o1.ts	Method	TBLASTX:Soybean
Start	1604	End	2155
GI	none	Score	249
Exons	1604..1894, 2006..2155, 2008..2154		

Seq. No.	56979	Seq. ID	OJ000113_03.0426.C12
Gene No.	119260	Strand	
Start	1604	End	2216
Name	OJ000113_03.0426.C12.o1.tm	Method	TBLASTX:Maize
Start	1648	End	2204
GI	none	Score	232
Exons	1648..1749, 1649..1891, 1904..1960, 1993..2160, 1994..2161, 2166..2204		

Seq. No.	56979	Seq. ID	OJ000113_03.0426.C12
Gene No.	119260	Strand	
Start	1604	End	2216
Name	OJ000113_03.0426.C12.o1.tw	Method	TBLASTX:Wheat
Start	2009	End	2216
GI	none	Score	184
Exons	2009..2176, 2017..2214, 2157..2216		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119261	Strand	+
Start	1	End	650
Name	OJ000113_03.0426.C13.o1.np	Method	AAT/NAP
Start	1	End	414
GI	6469032	Score	241
Exons	1..414		
GI Descrip.	(AB035183) N-hydroxycinnamoyl/benzoyltransferase [Ipomoea batatas]		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119261	Strand	+
Start	1	End	650
Name	OJ000113_03.0426.C13.o1.gp	Method	AAT/GAP
Start	53	End	650
GI	3760079	Score	1082
Exons	53..650		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119262	Strand	+
Start	7795	End	11699
Name	OJ000113_03.0426.C13.o2.np	Method	AAT/NAP
Start	7795	End	11699
GI	6539553	Score	6741
Exons	7795..11699		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o4.ts	Method	TBLASTX:Soybean
Start	1	End	15396
GI	none	Score	97
Exons	1..114, 91..162, 208..411, 14842..14991, 14843..14989, 15091..15156, 15190..15231, 15265..15396, 15266..15382		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o6.tm	Method	TBLASTX:Maize
Start	1	End	15396
GI	none	Score	76
Exons	1..135, 14578..14649, 14842..14991, 14861..15049, 15073..15156, 15101..15145, 15190..15231, 15265..15396, 15266..15382		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o4.tw	Method	TBLASTX:Wheat
Start	7789	End	8175
GI	none	Score	356
Exons	7789..8175, 7800..8174		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o2.tm	Method	TBLASTX:Maize
Start	7924	End	8237
GI	none	Score	366
Exons	7924..8235, 7932..8237		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o1.tm	Method	TBLASTX:Maize
Start	8736	End	9058
GI	none	Score	264
Exons	8736..8990, 8743..9057, 8763..9056, 8897..9058		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328

Name	OJ000113_03.0426.C13.o6.ts	Method	TBLASTX:Soybean
Start	9085	End	9471
GI	none	Score	88
Exons	9085..9240, 9223..9471		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o5.tm	Method	TBLASTX:Maize
Start	9259	End	9693
GI	none	Score	303
Exons	9259..9693, 9468..9668		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o5.tw	Method	TBLASTX:Wheat
Start	9336	End	9528
GI	none	Score	131
Exons	9336..9527, 9336..9407, 9337..9528, 9337..9528		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o3.ts	Method	TBLASTX:Soybean
Start	9481	End	9879
GI	none	Score	197
Exons	9481..9705, 9489..9659, 9490..9660, 9706..9879, 9714..9752		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o3.tc	Method	TBLASTX:Cress
Start	9514	End	9903
GI	none	Score	112
Exons	9514..9696, 9709..9903		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o1.tw	Method	TBLASTX:Wheat
Start	9529	End	10284
GI	none	Score	634
Exons	9529..9993, 9537..10016, 10037..10267, 10045..10284, 10067..10264, 10125..10283		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o1.ts	Method	TBLASTX:Soybean
Start	10204	End	10667
GI	5509260	Score	300
Exons	10204..10563, 10305..10373, 10422..10565, 10563..10667, 10589..10648		
GI Descrip.	-		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13

Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o1.tc	Method	TBLASTX:Cress
Start	10297	End	10557
GI	none	Score	286
Exons	10297..10557		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o3.tm	Method	TBLASTX:Maize
Start	10338	End	10802
GI	none	Score	222
Exons	10338..10565, 10339..10563, 10589..10699, 10590..10802		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o3.tw	Method	TBLASTX:Wheat
Start	10339	End	10883
GI	none	Score	222
Exons	10339..10563, 10587..10682, 10677..10883		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o2.ts	Method	TBLASTX:Soybean
Start	10736	End	11081
GI	none	Score	314
Exons	10736..10936, 10737..11081		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o4.tm	Method	TBLASTX:Maize
Start	10892	End	11230
GI	none	Score	317
Exons	10892..11230, 10893..11219		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o2.tw	Method	TBLASTX:Wheat
Start	11087	End	11562
GI	none	Score	101
Exons	11087..11158, 11088..11162, 11089..11160, 11177..11530, 11177..11557, 11178..11561, 11179..11562		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o5.ts	Method	TBLASTX:Soybean
Start	11094	End	11435
GI	none	Score	91
Exons	11094..11207, 11120..11200, 11220..11435, 11220..11414		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13

Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o3.np	Method	AAT/NAP
Start	11513	End	14534
GI	3646373	Score	64
Exons	11513..11559, 13344..13445, 14421..14534		
GI Descrip.	(AJ011078) RGP1 protein [Oryza sativa]		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o2.gs	Method	GENSCAN
Start	12802	End	20328
GI	none	Score	.57
Exons	12802..12903, 13284..13430, 13682..13892, 13911..14002, 14377..14445, 14623..15636, 18863..18927, 20239..20328		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o4.np	Method	AAT/NAP
Start	13102	End	15402
GI	7484691	Score	254
Exons	13102..13120, 14645..15402		
GI Descrip.	anthranilate N-benzoyltransferase (EC 2.3.1.144) (clone pchcbt3) - clove pink gi|2239091|emb|CAB06538.1| (Z84571) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o6.tw	Method	TBLASTX:Wheat
Start	14777	End	14997
GI	none	Score	40
Exons	14777..14797, 14791..14844, 14791..14853, 14801..14854, 14854..14997, 14855..14995		

Seq. No.	56980	Seq. ID	OJ000113_03.0426.C13
Gene No.	119263	Strand	-
Start	11513	End	20328
Name	OJ000113_03.0426.C13.o2.tc	Method	TBLASTX:Cress
Start	14843	End	15396
GI	none	Score	65
Exons	14843..14992, 14863..14991, 15100..15156, 15101..15139, 15190..15231, 15265..15396		

Seq. No.	56981	Seq. ID	OJ000113_03.0426.C14
Gene No.	119264	Strand	-
Start	1992	End	2437
Name	OJ000113_03.0426.C14.o1.gp	Method	AAT/GAP
Start	1992	End	2437
GI	LIB3432-059-P1-K1-D8	Score	679
Exons	1992..2437		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	56981	Seq. ID	OJ000113_03.0426.C14

Gene No.	119265	Strand	-
Start	2620	End	3471
Name	OJ000113_03.0426.C14.o1.np	Method	AAT/NAP
Start	2620	End	3408
GI	7430994	Score	755
Exons	2620..3408		
GI Descrip.	short-chain alcohol dehydrogenase homolog F17N18.70 - Arabidopsis thaliana gi|4753652|emb|CAB41928.1| (AL049751) short-chain alcohol dehydrogenase like protein [Arabidopsis thaliana] gi|7268020|emb|CAB78360.1| (AL161535) short-chain alcohol dehydrogenase like protein [Arabidopsis thaliana]		

Seq. No.	56981	Seq. ID	OJ000113_03.0426.C14
Gene No.	119265	Strand	-
Start	2620	End	3471
Name	OJ000113_03.0426.C14.o2.gs	Method	GENSCAN
Start	2620	End	3471
GI	none	Score	.99
Exons	2620..3471		

Seq. No.	56981	Seq. ID	OJ000113_03.0426.C14
Gene No.	119265	Strand	-
Start	2620	End	3471
Name	OJ000113_03.0426.C14.o1.tm	Method	TBLASTX:Maize
Start	2621	End	3100
GI	none	Score	301
Exons	2621..3100, 2629..3099		

Seq. No.	56981	Seq. ID	OJ000113_03.0426.C14
Gene No.	119265	Strand	-
Start	2620	End	3471
Name	OJ000113_03.0426.C14.o1.tc	Method	TBLASTX:Cress
Start	2704	End	3309
GI	none	Score	228
Exons	2704..3156, 2708..2938, 2999..3157, 3226..3309		

Seq. No.	56981	Seq. ID	OJ000113_03.0426.C14
Gene No.	119265	Strand	-
Start	2620	End	3471
Name	OJ000113_03.0426.C14.o1.ts	Method	TBLASTX:Soybean
Start	2770	End	3402
GI	none	Score	104
Exons	2770..2826, 2827..3156, 2828..2938, 3002..3112, 3226..3402		

Seq. No.	56981	Seq. ID	OJ000113_03.0426.C14
Gene No.	119265	Strand	-
Start	2620	End	3471
Name	OJ000113_03.0426.C14.o2.tm	Method	TBLASTX:Maize
Start	3103	End	3387
GI	none	Score	70
Exons	3103..3159, 3104..3160, 3226..3387, 3227..3265, 3253..3375		

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119266	Strand	+
Start	864	End	4281
Name	OJ000113_03.0426.C15.o1.gs	Method	GENSCAN
Start	864	End	4281

GI	none	Score	.5
Exons	864..938, 3308..3398, 3897..3992, 4271..4281		

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119266	Strand	+
Start	864	End	4281
Name	OJ000113_03.0426.C15.o1.gp	Method	AAT/GAP
Start	2912	End	3011
GI	LIB3477-003-P1-K1-E9	Score	132
Exons	2912..3011		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119267	Strand	+
Start	6259	End	8541
Name	OJ000113_03.0426.C15.o2.np	Method	AAT/NAP
Start	6259	End	8541
GI	3860252	Score	428
Exons	6259..6396, 7579..8541		
GI Descrip.	(AC005824) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119267	Strand	+
Start	6259	End	8541
Name	OJ000113_03.0426.C15.o2.gp	Method	AAT/GAP
Start	7399	End	7746
GI	none	Score	626
Exons	7399..7746		

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119268	Strand	+
Start	10368	End	11073
Name	OJ000113_03.0426.C15.o3.gp	Method	AAT/GAP
Start	10368	End	11073
GI	57109_1.R1084	Score	1141
Exons	10368..10595, 10711..11073		
GI Descrip.	'3738331 6.0e-16 (AC005170) unknown protein [Arabidopsis thaliana]'		

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119268	Strand	+
Start	10368	End	11073
Name	OJ000113_03.0426.C15.o3.np	Method	AAT/NAP
Start	10506	End	10845
GI	3738331	Score	170
Exons	10506..10595, 10711..10845		
GI Descrip.	(AC005170) unknown protein [Arabidopsis thaliana]		

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119269	Strand	-
Start	5056	End	6408
Name	OJ000113_03.0426.C15.o2.gs	Method	GENSCAN
Start	5056	End	6393
GI	none	Score	.99
Exons	5056..6393		

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119269	Strand	-
Start	5056	End	6408
Name	OJ000113_03.0426.C15.o1.np	Method	AAT/NAP
Start	5068	End	6408
GI	6469032	Score	757
Exons	5068..6408		
GI Descrip.	(AB035183) N-hydroxycinnamoyl/benzoyltransferase [Ipomoea batatas]		

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119270	Strand	-
Start	11469	End	13916
Name	OJ000113_03.0426.C15.o4.tm	Method	TBLASTX:Maize
Start	5068	End	5559
GI	none	Score	94
Exons	5068..5118, 5140..5289, 5167..5289, 5207..5290, 5347..5445, 5440..5559		

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119270	Strand	-
Start	11469	End	13916
Name	OJ000113_03.0426.C15.o1.ts	Method	TBLASTX:Soybean
Start	5167	End	6420
GI	none	Score	71
Exons	5167..5277, 5201..5275, 5347..5433, 5440..5559, 5584..5643, 5758..5826, 5878..5997, 5888..5989, 6031..6237, 6080..6235, 6256..6420, 6288..6320		

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119270	Strand	-
Start	11469	End	13916
Name	OJ000113_03.0426.C15.o1.tm	Method	TBLASTX:Maize
Start	5590	End	6381
GI	none	Score	35
Exons	5590..5613, 5683..5736, 5690..5731, 5731..5829, 5732..5830, 5877..5894, 5878..6006, 5888..6001, 5953..6009, 6019..6069, 6022..6111, 6037..6243, 6070..6255, 6083..6256, 6263..6328, 6265..6381, 6266..6343		

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119270	Strand	-
Start	11469	End	13916
Name	OJ000113_03.0426.C15.o1.tc	Method	TBLASTX:Cress
Start	5758	End	6402
GI	none	Score	44
Exons	5758..5826, 5759..5827, 5884..5997, 5888..5983, 6031..6255, 6098..6256, 6256..6402		

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119270	Strand	-
Start	11469	End	13916
Name	OJ000113_03.0426.C15.o5.tm	Method	TBLASTX:Maize
Start	10515	End	12936
GI	none	Score	157
Exons	10515..10598, 10517..10591, 10698..10760, 10711..10791,		

12889..12936

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119270	Strand	-
Start	11469	End	13916
Name	OJ000113_03.0426.C15.o4.gp	Method	AAT/GAP
Start	11262	End	12028
GI	LIB3431-009-P1-N1-A10	Score	755
Exons	11262..11549, 11917..12028		
GI Descrip.	'5001458/gb|AAD37023.1|AC006225_1 8.0e-13 (AC006225) putative multidrug resistance protein [Arabidopsis thaliana]'		

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119270	Strand	-
Start	11469	End	13916
Name	OJ000113_03.0426.C15.o4.gs	Method	GENSCAN
Start	11469	End	13418
GI	none	Score	.83
Exons	11469..11549, 11917..12181, 12567..12754, 12903..13064, 13137..13292, 13336..13418		

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119270	Strand	-
Start	11469	End	13916
Name	OJ000113_03.0426.C15.o4.np	Method	AAT/NAP
Start	11475	End	13916
GI	5001458	Score	1145
Exons	11475..11549, 11917..12084, 12244..12433, 12567..12754, 12903..13064, 13137..13247, 13336..13428, 13541..13639, 13789..13916		
GI Descrip.	(AC006225) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119270	Strand	-
Start	11469	End	13916
Name	OJ000113_03.0426.C15.o2.ts	Method	TBLASTX:Soybean
Start	11914	End	13908
GI	none	Score	70
Exons	11914..12087, 11929..12096, 12241..12339, 12263..12340, 12352..12435, 12374..12439, 12566..12778, 12581..12760, 12918..13022, 13795..13908		

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119270	Strand	-
Start	11469	End	13916
Name	OJ000113_03.0426.C15.o3.tm	Method	TBLASTX:Maize
Start	11914	End	12087
GI	none	Score	252
Exons	11914..12087, 11915..12082, 11917..12087		

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119270	Strand	-
Start	11469	End	13916
Name	OJ000113_03.0426.C15.o2.tc	Method	TBLASTX:Cress
Start	11917	End	13908
GI	none	Score	83
Exons	11917..12087, 11924..12085, 12232..12342, 12241..12339,		

12352..12435, 12566..12754, 12675..12755, 12918..13022, 13795..13908

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119270	Strand	-
Start	11469	End	13916
Name	OJ000113_03.0426.C15.o2.tm	Method	TBLASTX:Maize
Start	12254	End	12468
GI	none	Score	223
Exons	12254..12463, 12257..12460, 12259..12468		

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119270	Strand	-
Start	11469	End	13916
Name	OJ000113_03.0426.C15.o5.gp	Method	AAT/GAP
Start	12300	End	13254
GI	6178_1.R1084	Score	1108
Exons	12300..12433, 12567..12754, 12903..13064, 13137..13254		
GI Descrip.	'5001458/gb|AAD37023.1|AC006225_1 2.0e-69 (AC006225) putative multidrug resistance protein [Arabidopsis thaliana]'		

Seq. No.	56982	Seq. ID	OJ000113_03.0426.C15
Gene No.	119270	Strand	-
Start	11469	End	13916
Name	OJ000113_03.0426.C15.o6.tm	Method	TBLASTX:Maize
Start	12566	End	13022
GI	none	Score	37
Exons	12566..12754, 12573..12602, 12696..12755, 12939..13022		

Seq. No.	56983	Seq. ID	OJ000113_03.0426.C16
Gene No.	119271	Strand	-
Start	1	End	1352
Name	OJ000113_03.0426.C16.o1.np	Method	AAT/NAP
Start	1	End	1351
GI	5001458	Score	506
Exons	1..114, 268..501, 572..738, 850..981, 1107..1174, 1250..1351		
GI Descrip.	(AC006225) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	56983	Seq. ID	OJ000113_03.0426.C16
Gene No.	119271	Strand	-
Start	1	End	1352
Name	OJ000113_03.0426.C16.o1.gs	Method	GENSCAN
Start	231	End	1351
GI	none	Score	.71
Exons	231..517, 591..738, 850..981, 1107..1210, 1250..1351		

Seq. No.	56983	Seq. ID	OJ000113_03.0426.C16
Gene No.	119271	Strand	-
Start	1	End	1352
Name	OJ000113_03.0426.C16.o1.tm	Method	TBLASTX:Maize
Start	615	End	1005
GI	none	Score	118
Exons	615..746, 615..740, 619..741, 846..980, 849..980, 850..987, 850..1005, 872..1003		

Seq. No.	56983	Seq. ID	OJ000113_03.0426.C16
Gene No.	119271	Strand	-

Start	1	End	1352
Name	OJ000113_03.0426.C16.o1.tc	Method	TBLASTX:Cress
Start	639	End	1352
GI	none	Score	44
Exons	639..740, 846..983, 1103..1189, 1128..1190, 1250..1351, 1251..1352		

Seq. No.	56983	Seq. ID	OJ000113_03.0426.C16
Gene No.	119271	Strand	-
Start	1	End	1352
Name	OJ000113_03.0426.C16.o1.ts	Method	TBLASTX:Soybean
Start	699	End	1351
GI	none	Score	61
Exons	699..740, 846..983, 874..981, 1103..1189, 1250..1351		

Seq. No.	56984	Seq. ID	OJ000113_03.0426.C17
Gene No.	119272	Strand	-
Start	1	End	2031
Name	OJ000113_03.0426.C17.o1.np	Method	AAT/NAP
Start	1	End	2031
GI	5001458	Score	589
Exons	1..168, 253..370, 578..644, 981..1078, 1169..1286, 1807..2031		
GI Descrip.	(AC006225) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	56984	Seq. ID	OJ000113_03.0426.C17
Gene No.	119272	Strand	-
Start	1	End	2031
Name	OJ000113_03.0426.C17.o1.tm	Method	TBLASTX:Maize
Start	50	End	421
GI	none	Score	139
Exons	50..157, 50..169, 241..378, 244..378, 252..416, 254..379, 257..421		

Seq. No.	56985	Seq. ID	OJ000113_03.0426.C18
Gene No.	119273	Strand	+
Start	1	End	5611
Name	OJ000113_03.0426.C18.o1.np	Method	AAT/NAP
Start	1	End	5611
GI	7242910	Score	76
Exons	1..38, 3334..3407, 5319..5418, 5515..5611		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	56985	Seq. ID	OJ000113_03.0426.C18
Gene No.	119274	Strand	-
Start	325	End	4123
Name	OJ000113_03.0426.C18.o1.gs	Method	GENSCAN
Start	325	End	4123
GI	none	Score	.7
Exons	325..420, 1606..1770, 2695..2851, 3290..3485, 3830..3922, 4069..4123		

Seq. No.	56985	Seq. ID	OJ000113_03.0426.C18
Gene No.	119275	Strand	-
Start	4296	End	9311
Name	OJ000113_03.0426.C18.o2.gs	Method	GENSCAN
Start	4296	End	9311
GI	none	Score	.63

Exons	4296..4745, 4968..5155, 5248..5355, 6309..6396, 6860..6950, 9076..9311		
Seq. No.	56985	Seq. ID	OJ000113_03.0426.C18
Gene No.	119275	Strand	-
Start	4296	End	9311
Name	OJ000113_03.0426.C18.o1.gp	Method	AAT/GAP
Start	7475	End	7577
GI	LIB3477-003-P1-K1-E9	Score	135
Exons	7475..7577		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	56986	Seq. ID	OJ000103_02.0426.C1
Gene No.	119276	Strand	+
Start	383	End	2816
Name	OJ000103_02.0426.C1.o1.gs	Method	GENSCAN
Start	383	End	2816
GI	none	Score	.86
Exons	383..465, 879..971, 1838..2074, 2127..2213, 2316..2441, 2753..2816		
Seq. No.	56986	Seq. ID	OJ000103_02.0426.C1
Gene No.	119277	Strand	+
Start	4498	End	5396
Name	OJ000103_02.0426.C1.o1.gp	Method	AAT/GAP
Start	4040	End	4518
GI	2427416	Score	564
Exons	4040..4293, 4463..4518		
Seq. No.	56986	Seq. ID	OJ000103_02.0426.C1
Gene No.	119277	Strand	+
Start	4498	End	5396
Name	OJ000103_02.0426.C1.o2.gs	Method	GENSCAN
Start	4498	End	5378
GI	none	Score	.88
Exons	4498..5378		
Seq. No.	56986	Seq. ID	OJ000103_02.0426.C1
Gene No.	119277	Strand	+
Start	4498	End	5396
Name	OJ000103_02.0426.C1.o1.np	Method	AAT/NAP
Start	4507	End	5396
GI	7485635	Score	832
Exons	4507..5396		
GI Descrip.	hypothetical protein F17K2.25 - Arabidopsis thaliana gi|3386623|gb|AAC28553.1| (AC004665) unknown protein [Arabidopsis thaliana]		
Seq. No.	56986	Seq. ID	OJ000103_02.0426.C1
Gene No.	119277	Strand	+
Start	4498	End	5396
Name	OJ000103_02.0426.C1.o1.tm	Method	TBLASTX:Maize
Start	4549	End	4905
GI	none	Score	469
Exons	4549..4905, 4624..4737, 4635..4895, 4780..4902		

Seq. No.	56986	Seq. ID	OJ000103_02.0426.C1
Gene No.	119277	Strand	+
Start	4498	End	5396
Name	OJ000103_02.0426.C1.o2.ts	Method	TBLASTX:Soybean
Start	4549	End	4881
GI	none	Score	277
Exons	4549..4881, 4635..4826		

Seq. No.	56986	Seq. ID	OJ000103_02.0426.C1
Gene No.	119277	Strand	+
Start	4498	End	5396
Name	OJ000103_02.0426.C1.o1.tw	Method	TBLASTX:Wheat
Start	4549	End	4872
GI	none	Score	412
Exons	4549..4872, 4635..4826		

Seq. No.	56986	Seq. ID	OJ000103_02.0426.C1
Gene No.	119277	Strand	+
Start	4498	End	5396
Name	OJ000103_02.0426.C1.o1.ts	Method	TBLASTX:Soybean
Start	5011	End	5300
GI	none	Score	294
Exons	5011..5295, 5073..5300		

Seq. No.	56986	Seq. ID	OJ000103_02.0426.C1
Gene No.	119277	Strand	+
Start	4498	End	5396
Name	OJ000103_02.0426.C1.o1.tc	Method	TBLASTX:Cress
Start	5121	End	5391
GI	none	Score	307
Exons	5121..5390, 5122..5391, 5131..5364		

Seq. No.	56987	Seq. ID	OJ000103_02.0426.C2
Gene No.	119278	Strand	+
Start	1	End	505
Name	OJ000103_02.0426.C2.o1.np	Method	AAT/NAP
Start	1	End	502
GI	7485635	Score	554
Exons	1..502		
GI Descrip.	hypothetical protein F17K2.25 - Arabidopsis thaliana gi|3386623|gb|AAC28553.1| (AC004665) unknown protein [Arabidopsis thaliana]		

Seq. No.	56987	Seq. ID	OJ000103_02.0426.C2
Gene No.	119278	Strand	+
Start	1	End	505
Name	OJ000103_02.0426.C2.o1.gs	Method	GENSCAN
Start	56	End	505
GI	none	Score	.69
Exons	56..505		

Seq. No.	56987	Seq. ID	OJ000103_02.0426.C2
Gene No.	119279	Strand	-
Start	266	End	2722
Name	OJ000103_02.0426.C2.o1.gp	Method	AAT/GAP
Start	266	End	767

GI	56420_1.R1084	Score	983
Exons	266..767		
GI Descrip.	'2979562 2.0e-16 (AC003680) unknown protein [Arabidopsis thaliana] >gi_3386623 (AC004665) unknown protein [Arabidopsis thaliana]'		

Seq. No.	56987	Seq. ID	OJ000103_02.0426.C2
Gene No.	119279	Strand	-
Start	266	End	2722
Name	OJ000103_02.0426.C2.o2.gs	Method	GENSCAN
Start	599	End	2722
GI	none	Score	.54
Exons	599..728, 978..1088, 2487..2580, 2638..2722		

Seq. No.	56987	Seq. ID	OJ000103_02.0426.C2
Gene No.	119280	Strand	-
Start	2892	End	2965
Name	OJ000103_02.0426.C2.o1.tm	Method	TBLASTX:Maize
Start	28	End	289
GI	none	Score	333
Exons	28..288, 29..289		

Seq. No.	56987	Seq. ID	OJ000103_02.0426.C2
Gene No.	119280	Strand	-
Start	2892	End	2965
Name	OJ000103_02.0426.C2.o1.tc	Method	TBLASTX:Cress
Start	128	End	418
GI	none	Score	140
Exons	128..277, 130..276, 257..418, 283..411		

Seq. No.	56987	Seq. ID	OJ000103_02.0426.C2
Gene No.	119280	Strand	-
Start	2892	End	2965
Name	OJ000103_02.0426.C2.o2.tm	Method	TBLASTX:Maize
Start	290	End	509
GI	none	Score	208
Exons	290..436, 292..444, 417..509		

Seq. No.	56987	Seq. ID	OJ000103_02.0426.C2
Gene No.	119280	Strand	-
Start	2892	End	2965
Name	OJ000103_02.0426.C2.o2.gp	Method	AAT/GAP
Start	2892	End	2965
GI	3760640	Score	106
Exons	2892..2965		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	56988	Seq. ID	OJ000103_02.0426.C3
Gene No.	119281	Strand	+
Start	1873	End	2203
Name	OJ000103_02.0426.C3.o1.gs	Method	GENSCAN
Start	1873	End	2203
GI	none	Score	.68
Exons	1873..2010, 2039..2203		

Seq. No.	56988	Seq. ID	OJ000103_02.0426.C3

Gene No.	119282	Strand	+
Start	10035	End	23153
Name	OJ000103_02.0426.C3.o3.gs	Method	GENSCAN
Start	10035	End	14435
GI	none	Score	.53
Exons	10035..10114, 11285..11468, 11579..11771, 11892..11979, 12637..12740, 12923..13023, 13540..13628, 13980..14025, 14367..14435		

Seq. No.	56988	Seq. ID	OJ000103_02.0426.C3
Gene No.	119282	Strand	+
Start	10035	End	23153
Name	OJ000103_02.0426.C3.o2.gp	Method	AAT/GAP
Start	11316	End	12692
GI	35533_1.R1084	Score	962
Exons	11316..11468, 11579..11771, 12261..12341, 12417..12468, 12637..12692		
GI Descrip.	'5302799/emb|CAB46041.1| 2.0e-24 (Z97341) gibberellin oxidase-like protein [Arabidopsis thaliana]'		

Seq. No.	56988	Seq. ID	OJ000103_02.0426.C3
Gene No.	119282	Strand	+
Start	10035	End	23153
Name	OJ000103_02.0426.C3.o2.np	Method	AAT/NAP
Start	11690	End	23153
GI	7488059	Score	241
Exons	11690..11757, 12220..12348, 12676..12740, 13417..13490, 18603..18722, 18960..19018, 19143..19199, 19527..19572, 23119..23153		
GI Descrip.	probable apetala2 domain TINY - Arabidopsis thaliana gi|2245030|emb|CAB10450.1| (Z97341) acyl-CoA oxidase like protein [Arabidopsis thaliana] gi|7268426|emb|CAB78718.1| (AL161544) acyl-CoA oxidase like protein [Arabidopsis thaliana]		

Seq. No.	56988	Seq. ID	OJ000103_02.0426.C3
Gene No.	119282	Strand	+
Start	10035	End	23153
Name	OJ000103_02.0426.C3.o3.gp	Method	AAT/GAP
Start	13262	End	14886
GI	none	Score	1298
Exons	13262..13319, 13572..13628, 14223..14302, 14385..14886		

Seq. No.	56988	Seq. ID	OJ000103_02.0426.C3
Gene No.	119282	Strand	+
Start	10035	End	23153
Name	OJ000103_02.0426.C3.o5.gs	Method	GENSCAN
Start	17582	End	20495
GI	none	Score	.47
Exons	17582..17623, 18603..18722, 18960..19018, 19527..19572, 20097..20220, 20365..20495		

Seq. No.	56988	Seq. ID	OJ000103_02.0426.C3
Gene No.	119282	Strand	+
Start	10035	End	23153
Name	OJ000103_02.0426.C3.o6.gs	Method	GENSCAN
Start	22055	End	22936
GI	none	Score	.75

Exons	22055..22135, 22793..22936		
Seq. No.	56988	Seq. ID	OJ000103_02.0426.C3
Gene No.	119283	Strand	-
Start	1117	End	9054
Name	OJ000103_02.0426.C3.o1.np	Method	AAT/NAP
Start	1117	End	8161
GI	6063557	Score	223
Exons	1117..1160, 4446..4588, 4837..4999, 8136..8161		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		
Seq. No.	56988	Seq. ID	OJ000103_02.0426.C3
Gene No.	119283	Strand	-
Start	1117	End	9054
Name	OJ000103_02.0426.C3.o1.gp	Method	AAT/GAP
Start	1855	End	2275
GI	2280721	Score	834
Exons	1855..2275		
Seq. No.	56988	Seq. ID	OJ000103_02.0426.C3
Gene No.	119283	Strand	-
Start	1117	End	9054
Name	OJ000103_02.0426.C3.o2.gs	Method	GENSCAN
Start	4833	End	9054
GI	none	Score	.68
Exons	4833..4981, 5382..5443, 5870..6077, 8142..8261, 8700..8828, 8967..9054		
Seq. No.	56988	Seq. ID	OJ000103_02.0426.C3
Gene No.	119284	Strand	-
Start	15025	End	20043
Name	OJ000103_02.0426.C3.o1.tm	Method	TBLASTX:Maize
Start	11399	End	16422
GI	none	Score	81
Exons	11399..11464, 11570..11626, 11572..11661, 11626..11751, 11627..11752, 16066..16128, 16067..16132, 16237..16422, 16242..16421		
Seq. No.	56988	Seq. ID	OJ000103_02.0426.C3
Gene No.	119284	Strand	-
Start	15025	End	20043
Name	OJ000103_02.0426.C3.o1.ts	Method	TBLASTX:Soybean
Start	11566	End	20043
GI	none	Score	75
Exons	11566..11619, 11567..11620, 11597..11773, 11629..11772, 12620..12709, 12707..12751, 12922..13026, 13228..13320, 13573..13620, 16234..16443, 16242..16442, 17802..17867, 17865..17906, 18621..18725, 18954..19019, 19144..19200, 19825..19905, 19993..20043		
Seq. No.	56988	Seq. ID	OJ000103_02.0426.C3
Gene No.	119284	Strand	-
Start	15025	End	20043
Name	OJ000103_02.0426.C3.o1.tc	Method	TBLASTX:Cress
Start	11576	End	19200
GI	none	Score	71
Exons	11576..11620, 11597..11773, 12931..13026, 13246..13320,		

16237..16443, 16242..16400, 18609..18725, 19144..19200

Seq. No.	56988	Seq. ID	OJ000103_02.0426.C3
Gene No.	119284	Strand	-
Start	15025	End	20043
Name	OJ000103_02.0426.C3.o2.tm	Method	TBLASTX:Maize
Start	12922	End	19578
GI	none	Score	152
Exons	12922..13026, 12922..13026, 13228..13320, 13243..13320, 13259..13321, 13570..13626, 13573..13620, 13974..14057, 13978..14031, 18603..18725, 18622..18726, 18942..19019, 18946..19020, 18954..19028, 19130..19198, 19135..19197, 19143..19199, 19144..19200, 19521..19574, 19525..19578		

Seq. No.	56988	Seq. ID	OJ000103_02.0426.C3
Gene No.	119284	Strand	-
Start	15025	End	20043
Name	OJ000103_02.0426.C3.o4.gs	Method	GENSCAN
Start	15025	End	16637
GI	none	Score	.55
Exons	15025..15398, 15942..16347, 16575..16637		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119285	Strand	+
Start	1	End	15598
Name	OJ000103_02.0426.C4.o1.np	Method	AAT/NAP
Start	1	End	425
GI	3776559	Score	220
Exons	1..263, 345..425		
GI Descrip.	(AC005388) Strong similarity to gene F14J9.26 gi|3482933 cdc2 protein kinase homolog from A. thaliana BAC gb|AC003970. ESTs gb|Z35332 and gb|F19907 come from this gene. [Arabidopsis thaliana]		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119285	Strand	+
Start	1	End	15598
Name	OJ000103_02.0426.C4.o1.gs	Method	GENSCAN
Start	83	End	13798
GI	none	Score	.7
Exons	83..263, 345..419, 485..653, 1930..1954, 1960..2148, 2272..2467, 2945..3025, 3091..3142, 3277..3398, 4304..4382, 4633..4689, 5053..5098, 8637..8717, 13643..13798		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119285	Strand	+
Start	1	End	15598
Name	OJ000103_02.0426.C4.o2.np	Method	AAT/NAP
Start	2386	End	15495
GI	7488059	Score	292
Exons	2386..2495, 2945..3025, 3327..3482, 4188..4303, 4476..4534, 4633..4689, 5053..5098, 15470..15495		
GI Descrip.	probable apetala2 domain TINY - Arabidopsis thaliana gi|2245030|emb|CAB10450.1| (Z97341) acyl-CoA oxidase like protein [Arabidopsis thaliana] gi|7268426|emb|CAB78718.1| (AL161544) acyl-CoA oxidase like protein [Arabidopsis thaliana]		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119285	Strand	+
Start	1	End	15598
Name	OJ000103_02.0426.C4.o1.gp	Method	AAT/GAP
Start	5051	End	5591
GI	none	Score	323
Exons	5051..5098, 5332..5411, 5501..5591		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119285	Strand	+
Start	1	End	15598
Name	OJ000103_02.0426.C4.o3.np	Method	AAT/NAP
Start	14079	End	15598
GI	7486574	Score	1347
Exons	14079..15598		
GI Descrip.	hypothetical protein F7H19.220 - Arabidopsis thaliana gi|3292829|emb|CAA19819.1| (AL031018) putative protein [Arabidopsis thaliana] gi|7269150|emb|CAB79258.1| (AL161558) putative protein [Arabidopsis thaliana]		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119286	Strand	+
Start	21726	End	22359
Name	OJ000103_02.0426.C4.o4.gs	Method	GENSCAN
Start	21726	End	22359
GI	none	Score	.6
Exons	21726..22029, 22136..22359		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119287	Strand	+
Start	28761	End	32891
Name	OJ000103_02.0426.C4.o4.np	Method	AAT/NAP
Start	28761	End	32891
GI	2583130	Score	1736
Exons	28761..32369, 32428..32891		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119288	Strand	+
Start	37453	End	37767
Name	OJ000103_02.0426.C4.o7.gs	Method	GENSCAN
Start	37453	End	37767
GI	none	Score	.77
Exons	37453..37530, 37636..37767		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483
Name	OJ000103_02.0426.C4.o3.ts	Method	TBLASTX:Soybean
Start	144	End	422
GI	none	Score	162
Exons	144..266, 155..262, 336..422, 344..421		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483

Name	OJ000103_02.0426.C4.o6.tm	Method	TBLASTX:Maize
Start	158	End	425
GI	none	Score	165
Exons	158..262, 168..266, 276..422, 342..425		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483
Name	OJ000103_02.0426.C4.o3.tm	Method	TBLASTX:Maize
Start	2083	End	2448
GI	none	Score	72
Exons	2083..2148, 2091..2144, 2263..2448, 2265..2447		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483
Name	OJ000103_02.0426.C4.o4.ts	Method	TBLASTX:Soybean
Start	2259	End	4690
GI	none	Score	212
Exons	2259..2468, 2260..2469, 3260..3406, 4202..4306, 4461..4550, 4634..4690		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483
Name	OJ000103_02.0426.C4.o2.tc	Method	TBLASTX:Cress
Start	2268	End	4690
GI	none	Score	198
Exons	2268..2450, 2269..2469, 4208..4306, 4461..4550, 4634..4690		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483
Name	OJ000103_02.0426.C4.o1.ts	Method	TBLASTX:Soybean
Start	14177	End	15429
GI	none	Score	73
Exons	14177..14257, 14246..14344, 14307..14369, 14308..14334, 14320..14796, 14321..14809, 14846..15055, 14851..15054, 14855..15055, 15133..15429, 15134..15403		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483
Name	OJ000103_02.0426.C4.o5.tm	Method	TBLASTX:Maize
Start	14668	End	14934
GI	none	Score	172
Exons	14668..14775, 14675..14842, 14842..14934, 14852..14896, 14897..14932		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483
Name	OJ000103_02.0426.C4.o1.tc	Method	TBLASTX:Cress
Start	14855	End	15382
GI	none	Score	152
Exons	14855..15064, 15128..15382		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483
Name	OJ000103_02.0426.C4.o4.tm	Method	TBLASTX:Maize
Start	22108	End	41800
GI	none	Score	77
Exons	22108..22407, 22109..22297, 31896..32093, 41579..41668, 41717..41800		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483
Name	OJ000103_02.0426.C4.o3.tw	Method	TBLASTX:Wheat
Start	22186	End	42133
GI	none	Score	84
Exons	22186..22320, 31905..32042, 41768..42133, 41769..41912		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483
Name	OJ000103_02.0426.C4.o6.tw	Method	TBLASTX:Wheat
Start	28866	End	29252
GI	none	Score	116
Exons	28866..29057, 28934..28975, 29046..29252, 29060..29212		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483
Name	OJ000103_02.0426.C4.o4.tw	Method	TBLASTX:Wheat
Start	29747	End	44117
GI	none	Score	98
Exons	29747..29905, 43776..43883, 43777..43869, 43889..44035, 43910..44053, 43932..44117		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483
Name	OJ000103_02.0426.C4.o8.tm	Method	TBLASTX:Maize
Start	30044	End	43758
GI	none	Score	95
Exons	30044..30199, 43584..43757, 43591..43758		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483
Name	OJ000103_02.0426.C4.o1.tm	Method	TBLASTX:Maize
Start	30305	End	43499
GI	none	Score	100
Exons	30305..30460, 30452..30700, 30798..30950, 31020..31250, 42537..43499, 42538..42810, 42657..43016, 42877..43023, 43108..43476		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483
Name	OJ000103_02.0426.C4.o1.tw	Method	TBLASTX:Wheat
Start	30349	End	43433

GI	none	Score	250
Exons	30349..30570, 30350..30568, 30556..30699, 30560..30697, 30560..30718, 30678..30731, 43080..43247, 43338..43433		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483
Name	OJ000103_02.0426.C4.o2.tw	Method	TBLASTX:Wheat
Start	30902	End	42881
GI	none	Score	399
Exons	30902..31273, 30903..31286, 31257..31307, 40692..40742, 42558..42881		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483
Name	OJ000103_02.0426.C4.o2.ts	Method	TBLASTX:Soybean
Start	31023	End	42932
GI	none	Score	128
Exons	31023..31223, 31227..31442, 42405..42590, 42579..42932, 42607..42816		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483
Name	OJ000103_02.0426.C4.o7.tm	Method	TBLASTX:Maize
Start	31251	End	40775
GI	none	Score	189
Exons	31251..31451, 31268..31447, 40683..40775		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483
Name	OJ000103_02.0426.C4.o5.tw	Method	TBLASTX:Wheat
Start	31317	End	42542
GI	none	Score	214
Exons	31317..31490, 31325..31507, 42417..42542		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483
Name	OJ000103_02.0426.C4.o8.gs	Method	GENSCAN
Start	41393	End	44098
GI	none	Score	.72
Exons	41393..41551, 42698..42765, 42881..43849, 43954..44098		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483
Name	OJ000103_02.0426.C4.o2.tm	Method	TBLASTX:Maize
Start	41861	End	42332
GI	none	Score	97
Exons	41861..41947, 41960..42301, 42144..42299, 42276..42332		

Seq. No.	56989	Seq. ID	OJ000103_02.0426.C4
Gene No.	119289	Strand	-
Start	41393	End	45483

Name	OJ000103_02.0426.C4.o8.np	Method	AAT/NAP
Start	42721	End	45483
GI	5001452	Score	52
Exons	42721..42746, 43904..44063, 45444..45483		
GI Descrip.	(AC007730) putative non-LTR retrolelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	56990	Seq. ID	OJ000103_02.0426.C5
Gene No.	119290	Strand	+
Start	944	End	2324
Name	OJ000103_02.0426.C5.o1.gs	Method	GENSCAN
Start	944	End	2324
GI	none	Score	.79
Exons	944..1085, 1188..1465, 2115..2324		

Seq. No.	56990	Seq. ID	OJ000103_02.0426.C5
Gene No.	119291	Strand	+
Start	6005	End	6123
Name	OJ000103_02.0426.C5.o1.gp	Method	AAT/GAP
Start	6005	End	6123
GI	none	Score	182
Exons	6005..6123		

Seq. No.	56990	Seq. ID	OJ000103_02.0426.C5
Gene No.	119292	Strand	-
Start	1	End	521
Name	OJ000103_02.0426.C5.o1.np	Method	AAT/NAP
Start	1	End	521
GI	7340909	Score	166
Exons	1..521		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	56990	Seq. ID	OJ000103_02.0426.C5
Gene No.	119293	Strand	-
Start	6453	End	9461
Name	OJ000103_02.0426.C5.o2.gp	Method	AAT/GAP
Start	6241	End	6567
GI	none	Score	589
Exons	6241..6567		

Seq. No.	56990	Seq. ID	OJ000103_02.0426.C5
Gene No.	119293	Strand	-
Start	6453	End	9461
Name	OJ000103_02.0426.C5.o2.np	Method	AAT/NAP
Start	6423	End	8753
GI	3860250	Score	590
Exons	6423..6665, 6705..7481, 8644..8753		
GI Descrip.	(AC005824) putative chorismate mutase/prephenate dehydratase [Arabidopsis thaliana]		

Seq. No.	56990	Seq. ID	OJ000103_02.0426.C5
Gene No.	119293	Strand	-
Start	6453	End	9461
Name	OJ000103_02.0426.C5.o3.gs	Method	GENSCAN
Start	6453	End	9461
GI	none	Score	.83
Exons	6453..7625, 7837..7966, 9427..9461		

Seq. No.	56990	Seq. ID	OJ000103_02.0426.C5
Gene No.	119293	Strand	-
Start	6453	End	9461
Name	OJ000103_02.0426.C5.o1.tc	Method	TBLASTX:Cress
Start	6459	End	7340
GI	none	Score	66
Exons	6459..6611, 6705..6764, 6706..6807, 6840..7019, 6841..7071, 7047..7085, 7048..7128, 7101..7340		

Seq. No.	56990	Seq. ID	OJ000103_02.0426.C5
Gene No.	119293	Strand	-
Start	6453	End	9461
Name	OJ000103_02.0426.C5.o1.tm	Method	TBLASTX:Maize
Start	6477	End	7385
GI	none	Score	72
Exons	6477..6611, 6700..6837, 6705..6836, 6840..7031, 6862..7026, 6979..7137, 7020..7385, 7038..7157, 7204..7377		

Seq. No.	56990	Seq. ID	OJ000103_02.0426.C5
Gene No.	119293	Strand	-
Start	6453	End	9461
Name	OJ000103_02.0426.C5.o1.ts	Method	TBLASTX:Soybean
Start	6477	End	7421
GI	none	Score	53
Exons	6477..6611, 6705..6764, 6706..6765, 6840..7031, 6841..7026, 6979..7137, 7020..7421, 7026..7160, 7222..7377		

Seq. No.	56990	Seq. ID	OJ000103_02.0426.C5
Gene No.	119293	Strand	-
Start	6453	End	9461
Name	OJ000103_02.0426.C5.o3.gp	Method	AAT/GAP
Start	6669	End	6881
GI	none	Score	403
Exons	6669..6881		

Seq. No.	56990	Seq. ID	OJ000103_02.0426.C5
Gene No.	119293	Strand	-
Start	6453	End	9461
Name	OJ000103_02.0426.C5.o1.tw	Method	TBLASTX:Wheat
Start	6983	End	7385
GI	none	Score	113
Exons	6983..7069, 7003..7137, 7029..7385, 7204..7377		

Seq. No.	56990	Seq. ID	OJ000103_02.0426.C5
Gene No.	119293	Strand	-
Start	6453	End	9461
Name	OJ000103_02.0426.C5.o4.gp	Method	AAT/GAP
Start	7263	End	7778
GI	none	Score	1004
Exons	7263..7778		

Seq. No.	56991	Seq. ID	OJ000103_02.0426.C6
Gene No.	119294	Strand	+
Start	42	End	1621
Name	OJ000103_02.0426.C6.o1.gs	Method	GENSCAN
Start	42	End	1621

GI	none	Score	.55
Exons	42..137, 1517..1621		

Seq. No.	56991	Seq. ID	OJ000103_02.0426.C6
Gene No.	119295	Strand	+
Start	3586	End	4508
Name	OJ000103_02.0426.C6.o3.gs	Method	GENSCAN
Start	3586	End	4508
GI	none	Score	.86
Exons	3586..3641, 3700..3808, 4449..4508		

Seq. No.	56991	Seq. ID	OJ000103_02.0426.C6
Gene No.	119296	Strand	+
Start	5156	End	8951
Name	OJ000103_02.0426.C6.o4.gs	Method	GENSCAN
Start	5156	End	8951
GI	none	Score	.66
Exons	5156..5713, 5734..5907, 6060..6091, 7907..8067, 8096..8368, 8842..8951		

Seq. No.	56991	Seq. ID	OJ000103_02.0426.C6
Gene No.	119296	Strand	+
Start	5156	End	8951
Name	OJ000103_02.0426.C6.o1.np	Method	AAT/NAP
Start	5218	End	5734
GI	4581145	Score	295
Exons	5218..5734		
GI Descrip.	(AC006919) putative AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	56991	Seq. ID	OJ000103_02.0426.C6
Gene No.	119297	Strand	+
Start	9406	End	15006
Name	OJ000103_02.0426.C6.o5.gs	Method	GENSCAN
Start	9406	End	15006
GI	none	Score	.57
Exons	9406..9487, 9519..9688, 10881..10981, 11110..11860, 13023..13215, 14390..15006		

Seq. No.	56991	Seq. ID	OJ000103_02.0426.C6
Gene No.	119298	Strand	+
Start	24387	End	24984
Name	OJ000103_02.0426.C6.o8.gs	Method	GENSCAN
Start	24387	End	24984
GI	none	Score	.72
Exons	24387..24598, 24678..24798, 24863..24984		

Seq. No.	56991	Seq. ID	OJ000103_02.0426.C6
Gene No.	119298	Strand	+
Start	24387	End	24984
Name	OJ000103_02.0426.C6.o3.gp	Method	AAT/GAP
Start	24507	End	24957
GI	1632176	Score	727
Exons	24507..24957		

Seq. No.	56991	Seq. ID	OJ000103_02.0426.C6
Gene No.	119299	Strand	+

Start	24997	End	25156
Name	OJ000103_02.0426.C6.o4.gp	Method	AAT/GAP
Start	24997	End	25156
GI	4715772	Score	264
Exons	24997..25156		

Seq. No.	56991	Seq. ID	OJ000103_02.0426.C6
Gene No.	119300	Strand	-
Start	2279	End	3172
Name	OJ000103_02.0426.C6.o2.gs	Method	GENSCAN
Start	2279	End	3172
GI	none	Score	.96
Exons	2279..2311, 3071..3172		

Seq. No.	56991	Seq. ID	OJ000103_02.0426.C6
Gene No.	119301	Strand	-
Start	15432	End	15865
Name	OJ000103_02.0426.C6.o1.gp	Method	AAT/GAP
Start	15432	End	15865
GI	none	Score	801
Exons	15432..15865		

Seq. No.	56991	Seq. ID	OJ000103_02.0426.C6
Gene No.	119302	Strand	-
Start	16379	End	18249
Name	OJ000103_02.0426.C6.o1.ts	Method	TBLASTX:Soybean
Start	15734	End	16925
GI	none	Score	147
Exons	15734..16006, 15735..16007, 16449..16631, 16483..16632, 16689..16853, 16722..16853, 16800..16925		

Seq. No.	56991	Seq. ID	OJ000103_02.0426.C6
Gene No.	119302	Strand	-
Start	16379	End	18249
Name	OJ000103_02.0426.C6.o2.tm	Method	TBLASTX:Maize
Start	15734	End	16554
GI	none	Score	229
Exons	15734..16021, 15734..16021, 15744..16046, 15744..16022, 15856..16050, 16443..16553, 16468..16554		

Seq. No.	56991	Seq. ID	OJ000103_02.0426.C6
Gene No.	119302	Strand	-
Start	16379	End	18249
Name	OJ000103_02.0426.C6.o6.gs	Method	GENSCAN
Start	16379	End	18011
GI	none	Score	.75
Exons	16379..16389, 16445..16632, 16720..16919, 17052..17313, 17905..18011		

Seq. No.	56991	Seq. ID	OJ000103_02.0426.C6
Gene No.	119302	Strand	-
Start	16379	End	18249
Name	OJ000103_02.0426.C6.o1.tm	Method	TBLASTX:Maize
Start	16554	End	17321
GI	none	Score	86
Exons	16554..16631, 16558..16632, 16683..16922, 16687..16920, 16720..16926, 16722..16925, 17050..17316, 17051..17317,		

17052..17321, 17052..17321

Seq. No.	56991	Seq. ID	OJ000103_02.0426.C6
Gene No.	119302	Strand	-
Start	16379	End	18249
Name	OJ000103_02.0426.C6.o1.tc	Method	TBLASTX:Cress
Start	17070	End	17321
GI	none	Score	141
Exons	17070..17321, 17077..17316		

Seq. No.	56991	Seq. ID	OJ000103_02.0426.C6
Gene No.	119302	Strand	-
Start	16379	End	18249
Name	OJ000103_02.0426.C6.o2.ts	Method	TBLASTX:Soybean
Start	17076	End	17321
GI	none	Score	158
Exons	17076..17321, 17077..17316		

Seq. No.	56991	Seq. ID	OJ000103_02.0426.C6
Gene No.	119302	Strand	-
Start	16379	End	18249
Name	OJ000103_02.0426.C6.o2.gp	Method	AAT/GAP
Start	17255	End	18249
GI	571953	Score	722
Exons	17255..17313, 17905..18249		

Seq. No.	56991	Seq. ID	OJ000103_02.0426.C6
Gene No.	119303	Strand	
Start	24536	End	24817
Name	OJ000103_02.0426.C6.o3.tm	Method	TBLASTX:Maize
Start	24536	End	24817
GI	none	Score	250
Exons	24536..24817, 24540..24698		

Seq. No.	56991	Seq. ID	OJ000103_02.0426.C6
Gene No.	119303	Strand	
Start	24536	End	24817
Name	OJ000103_02.0426.C6.o3.ts	Method	TBLASTX:Soybean
Start	24539	End	24686
GI	none	Score	245
Exons	24539..24685, 24540..24686		

Seq. No.	56991	Seq. ID	OJ000103_02.0426.C6
Gene No.	119303	Strand	
Start	24536	End	24817
Name	OJ000103_02.0426.C6.o2.tc	Method	TBLASTX:Cress
Start	24540	End	24688
GI	none	Score	216
Exons	24540..24686, 24584..24688		

Seq. No.	56992	Seq. ID	OJ000113_02.0426.C1
Gene No.	119304	Strand	+
Start	8402	End	10281
Name	OJ000113_02.0426.C1.o2.np	Method	AAT/NAP
Start	8402	End	10281
GI	7523502	Score	178
Exons	8402..8495, 8787..8917, 10246..10281		

GI Descrip. (AP001633) hypothetical protein [Oryza sativa]

Seq. No.	56992	Seq. ID	OJ000113_02.0426.C1
Gene No.	119305	Strand	+
Start	12945	End	15006
Name	OJ000113_02.0426.C1.o2.gp	Method	AAT/GAP
Start	12863	End	13374
GI	uC-osflcyp089c04b1	Score	965
Exons	12863..13374		
GI Descrip.	'3786008 9.0e-19 (AC005499) unknown protein [Arabidopsis thaliana]'		

Seq. No.	56992	Seq. ID	OJ000113_02.0426.C1
Gene No.	119305	Strand	+
Start	12945	End	15006
Name	OJ000113_02.0426.C1.o3.gs	Method	GENSCAN
Start	12945	End	15006
GI	none	Score	.84
Exons	12945..13609, 14070..14149, 14861..15006		

Seq. No.	56992	Seq. ID	OJ000113_02.0426.C1
Gene No.	119305	Strand	+
Start	12945	End	15006
Name	OJ000113_02.0426.C1.o3.np	Method	AAT/NAP
Start	12975	End	13577
GI	3786008	Score	282
Exons	12975..13346, 13386..13577		
GI Descrip.	(AC005499) unknown protein [Arabidopsis thaliana]		

Seq. No.	56992	Seq. ID	OJ000113_02.0426.C1
Gene No.	119306	Strand	+
Start	16988	End	21019
Name	OJ000113_02.0426.C1.o4.gs	Method	GENSCAN
Start	16988	End	21019
GI	none	Score	.75
Exons	16988..17097, 18216..19151, 19236..19440, 19819..20037, 20125..20216, 20302..21019		

Seq. No.	56992	Seq. ID	OJ000113_02.0426.C1
Gene No.	119306	Strand	+
Start	16988	End	21019
Name	OJ000113_02.0426.C1.o4.np	Method	AAT/NAP
Start	18343	End	21004
GI	7487861	Score	988
Exons	18343..19440, 19819..20037, 20125..20216, 20302..20575, 20645..21004		
GI Descrip.	hypothetical protein T9E8.110 - Arabidopsis thaliana gi|4584542|emb|CAB40772.1| (AL049608) putative protein [Arabidopsis thaliana] gi|7268040|emb|CAB78379.1| (AL161536) putative protein [Arabidopsis thaliana]		

Seq. No.	56992	Seq. ID	OJ000113_02.0426.C1
Gene No.	119307	Strand	+
Start	23011	End	23723
Name	OJ000113_02.0426.C1.o6.np	Method	AAT/NAP
Start	23011	End	23723
GI	6822066	Score	270

Exons	23011..23723		
GI Descrip.	(AL132957) putative protein [Arabidopsis thaliana]		
Seq. No.	56992	Seq. ID	OJ000113_02.0426.C1
Gene No.	119308	Strand	-
Start	256	End	5336
Name	OJ000113_02.0426.C1.o1.gs	Method	GENSCAN
Start	256	End	5336
GI	none	Score	.62
Exons	256..357, 1923..2030, 2307..2432, 2867..3032, 3672..4005, 4939..4990, 5325..5336		
Seq. No.	56992	Seq. ID	OJ000113_02.0426.C1
Gene No.	119308	Strand	-
Start	256	End	5336
Name	OJ000113_02.0426.C1.o1.gp	Method	AAT/GAP
Start	1578	End	2442
GI	75776_1.R1084	Score	877
Exons	1578..1831, 1923..2021, 2307..2442		
GI Descrip.	'4503719/ref|NP_002003.1|pFHIT| 1.0e-23 fragile histidine triad gene >gi_1706794_sp_P49789_FHIT_HUMAN BIS(5''-ADENOSYL)-TRIPHOSPHATASE (DIADENOSINE 5'',5''''''-P1,P3-TRIPHOSPHATE HYDROLASE) (DINUCLEOSIDETRIPHOSPHATASE) (AP3A HYDROLASE) (AP3AASE) (FRAGILE HISTIDINE TRIAD PROTEIN) >gi_3114520_pdb_4FIT_ Fhit-Apo >gi_3114524_pdb_6FIT_ Fhit-Transition State Analog >gi_3318895_pdb_1FHI_ Subst'		
Seq. No.	56992	Seq. ID	OJ000113_02.0426.C1
Gene No.	119308	Strand	-
Start	256	End	5336
Name	OJ000113_02.0426.C1.o1.np	Method	AAT/NAP
Start	1718	End	2548
GI	4503719	Score	233
Exons	1718..1814, 1927..2021, 2307..2548		
GI Descrip.	fragile histidine triad gene gi|1706794|sp|P49789|FHIT_HUMAN BIS(5'-ADENOSYL)-TRIPHOSPHATASE (DIADENOSINE 5'',5'''-P1,P3-TRIPHOSPHATE HYDROLASE) (DINUCLEOSIDETRIPHOSPHATASE) (AP3A HYDROLASE) (AP3AASE) (FRAGILE HISTIDINE TRIAD PROTEIN) gi|3114520|pdb|4FIT| Fhit-Apo gi|3114524|pdb|6FIT| Fhit-Transition State Analog gi|3318895|pdb|1FHI| Substrate Analog (Ib2) Complex W		
Seq. No.	56992	Seq. ID	OJ000113_02.0426.C1
Gene No.	119309	Strand	-
Start	21919	End	23786
Name	OJ000113_02.0426.C1.o5.gs	Method	GENSCAN
Start	21919	End	23786
GI	none	Score	.85
Exons	21919..22071, 22671..22745, 23001..23786		
Seq. No.	56992	Seq. ID	OJ000113_02.0426.C1
Gene No.	119310	Strand	-
Start	24214	End	24354
Name	OJ000113_02.0426.C1.o2.tm	Method	TBLASTX:Maize
Start	1715	End	3782
GI	none	Score	117

Exons 1715..1831, 1715..1831, 1723..1833, 1726..1833, 1916..2023, 1920..2027, 1924..2022, 2305..2451, 2307..2453, 2311..2451, 3652..3759, 3692..3763, 3694..3777, 3695..3781, 3696..3782

Seq. No.	56992	Seq. ID	OJ000113_02.0426.C1
Gene No.	119310	Strand	-
Start	24214	End	24354
Name	OJ000113_02.0426.C1.o1.ts	Method	TBLASTX:Soybean
Start	1717	End	2453
GI	none	Score	49

Exons 1717..1842, 1730..1822, 1924..2022, 1926..2027, 2298..2435, 2307..2453, 2311..2451

Seq. No.	56992	Seq. ID	OJ000113_02.0426.C1
Gene No.	119310	Strand	-
Start	24214	End	24354
Name	OJ000113_02.0426.C1.o1.tc	Method	TBLASTX:Cress
Start	1721	End	3771
GI	none	Score	59

Exons 1721..1819, 1721..1831, 1920..2027, 1924..2022, 2298..2426, 2307..2453, 2311..2451, 3646..3759, 3694..3771, 3695..3760

Seq. No.	56992	Seq. ID	OJ000113_02.0426.C1
Gene No.	119310	Strand	-
Start	24214	End	24354
Name	OJ000113_02.0426.C1.o3.tm	Method	TBLASTX:Maize
Start	12951	End	13280
GI	none	Score	41

Exons 12951..12986, 13013..13141, 13047..13160, 13155..13217, 13157..13219, 13209..13280

Seq. No.	56992	Seq. ID	OJ000113_02.0426.C1
Gene No.	119310	Strand	-
Start	24214	End	24354
Name	OJ000113_02.0426.C1.o1.tw	Method	TBLASTX:Wheat
Start	19796	End	20050
GI	none	Score	72

Exons 19796..19873, 19813..19881, 19813..19869, 19859..19873, 19864..20040, 19889..20050, 19893..20039, 19939..20049

Seq. No.	56992	Seq. ID	OJ000113_02.0426.C1
Gene No.	119310	Strand	-
Start	24214	End	24354
Name	OJ000113_02.0426.C1.o1.tm	Method	TBLASTX:Maize
Start	23253	End	23516
GI	none	Score	375

Exons 23253..23516, 23312..23506

Seq. No.	56992	Seq. ID	OJ000113_02.0426.C1
Gene No.	119310	Strand	-
Start	24214	End	24354
Name	OJ000113_02.0426.C1.o3.gp	Method	AAT/GAP
Start	24214	End	24354
GI	10494_1.R1084	Score	210

Exons 24214..24354

GI Descrip. '5730046/ref|NM_006632.1|SLC17A3| 1.0e-09 Homo sapiens solute carrier family 17 (sodium phosphate), member 3 (SLC17A3) mRNA

>gi_2062691_gb_U90545_HSU90545 Human sodium phosphate transporter (NPT4) mRNA, complete cds'

Seq. No.	56993	Seq. ID	OJ000113_02.0426.C2
Gene No.	119311	Strand	-
Start	62	End	2555
Name	OJ000113_02.0426.C2.o1.tm	Method	TBLASTX:Maize
Start	42	End	495
GI	none	Score	170
Exons	42..281, 45..251, 76..297, 77..487, 250..372, 361..495		

Seq. No.	56993	Seq. ID	OJ000113_02.0426.C2
Gene No.	119311	Strand	-
Start	62	End	2555
Name	OJ000113_02.0426.C2.o1.gp	Method	AAT/GAP
Start	62	End	2555
GI	none	Score	1292
Exons	62..547, 2368..2555		

Seq. No.	56994	Seq. ID	OJ000113_02.0426.C3
Gene No.	119312	Strand	+
Start	808	End	1306
Name	OJ000113_02.0426.C3.o1.gs	Method	GENSCAN
Start	808	End	1306
GI	none	Score	.96
Exons	808..868, 1281..1306		

Seq. No.	56994	Seq. ID	OJ000113_02.0426.C3
Gene No.	119313	Strand	+
Start	7896	End	9274
Name	OJ000113_02.0426.C3.o3.gs	Method	GENSCAN
Start	7896	End	9274
GI	none	Score	.62
Exons	7896..8006, 8879..9274		

Seq. No.	56994	Seq. ID	OJ000113_02.0426.C3
Gene No.	119314	Strand	+
Start	11382	End	13757
Name	OJ000113_02.0426.C3.o3.gp	Method	AAT/GAP
Start	11245	End	11793
GI	none	Score	770
Exons	11245..11558, 11705..11793		

Seq. No.	56994	Seq. ID	OJ000113_02.0426.C3
Gene No.	119314	Strand	+
Start	11382	End	13757
Name	OJ000113_02.0426.C3.o4.gs	Method	GENSCAN
Start	11382	End	13757
GI	none	Score	.66
Exons	11382..11558, 11705..12190, 12298..12678, 13662..13757		

Seq. No.	56994	Seq. ID	OJ000113_02.0426.C3
Gene No.	119314	Strand	+
Start	11382	End	13757
Name	OJ000113_02.0426.C3.o4.gp	Method	AAT/GAP
Start	11898	End	12427
GI	uC-osf1M202091b10b1	Score	724

Exons	11898..12190, 12298..12427		
GI Descrip.	'4760544/dbj|AB019492.1|AB019492 5.0e-23 Homo sapiens IDN4-GGTR14 mRNA, partial cds'		
Seq. No.	56994	Seq. ID	OJ000113_02.0426.C3
Gene No.	119315	Strand	-
Start	2021	End	7607
Name	OJ000113_02.0426.C3.o1.np	Method	AAT/NAP
Start	2021	End	6926
GI	6539553	Score	486
Exons	2021..2039, 6616..6926		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	56994	Seq. ID	OJ000113_02.0426.C3
Gene No.	119315	Strand	-
Start	2021	End	7607
Name	OJ000113_02.0426.C3.o2.np	Method	AAT/NAP
Start	5435	End	7607
GI	6630546	Score	162
Exons	5435..5462, 7348..7607		
GI Descrip.	(AC011708) putative alpha/beta hydrolase [Arabidopsis thaliana]		
Seq. No.	56994	Seq. ID	OJ000113_02.0426.C3
Gene No.	119315	Strand	-
Start	2021	End	7607
Name	OJ000113_02.0426.C3.o2.gp	Method	AAT/GAP
Start	5805	End	5974
GI	2796959	Score	272
Exons	5805..5974		
Seq. No.	56994	Seq. ID	OJ000113_02.0426.C3
Gene No.	119316	Strand	-
Start	8869	End	13544
Name	OJ000113_02.0426.C3.o3.np	Method	AAT/NAP
Start	8869	End	13544
GI	121628	Score	94
Exons	8869..9285, 11137..11398, 13444..13544		
GI Descrip.	GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN 1.0 PRECURSOR (GRP 1.0) gi|81867|pir||S01821 glycine-rich protein 1.0 precursor - kidney bean gi|21001|emb|CAA31931| (X13595) GRP 1.0 protein (AA 1 - 252) [Phaseolus vulgaris]		
Seq. No.	56994	Seq. ID	OJ000113_02.0426.C3
Gene No.	119317	Strand	-
Start	14248	End	14665
Name	OJ000113_02.0426.C3.o1.tm	Method	TBLASTX:Maize
Start	6418	End	6665
GI	none	Score	56
Exons	6418..6624, 6420..6503, 6422..6625, 6453..6665, 6573..6632		
Seq. No.	56994	Seq. ID	OJ000113_02.0426.C3
Gene No.	119317	Strand	-
Start	14248	End	14665
Name	OJ000113_02.0426.C3.o1.tw	Method	TBLASTX:Wheat

Start	6636	End	6995
GI	none	Score	148
Exons	6636..6791, 6642..6767, 6751..6936, 6753..6935, 6932..6979, 6939..6995		

Seq. No.	56994	Seq. ID	OJ000113_02.0426.C3
Gene No.	119317	Strand	-
Start	14248	End	14665
Name	OJ000113_02.0426.C3.o5.gs	Method	GENSCAN
Start	14248	End	14665
GI	none	Score	.46
Exons	14248..14267, 14635..14665		

Seq. No.	56995	Seq. ID	OJ000113_02.0426.C4
Gene No.	119318	Strand	+
Start	253	End	1609
Name	OJ000113_02.0426.C4.o1.gp	Method	AAT/GAP
Start	253	End	1609
GI	10494_1.R1084	Score	1411
Exons	253..352, 438..487, 741..805, 1065..1609		
GI Descrip.	'5730046/ref|NM_006632.1|SLC17A3| 1.0e-09 Homo sapiens solute carrier family 17 (sodium phosphate), member 3 (SLC17A3) mRNA >gi_2062691_gb_U90545_HSU90545 Human sodium phosphate transporter (NPT4) mRNA, complete cds'		

Seq. No.	56995	Seq. ID	OJ000113_02.0426.C4
Gene No.	119318	Strand	+
Start	253	End	1609
Name	OJ000113_02.0426.C4.o1.gs	Method	GENSCAN
Start	457	End	1373
GI	none	Score	.77
Exons	457..487, 741..805, 1065..1373		

Seq. No.	56995	Seq. ID	OJ000113_02.0426.C4
Gene No.	119319	Strand	-
Start	1747	End	1915
Name	OJ000113_02.0426.C4.o2.gp	Method	AAT/GAP
Start	1747	End	1915
GI	2796959	Score	271
Exons	1747..1915		

Seq. No.	56995	Seq. ID	OJ000113_02.0426.C4
Gene No.	119320	Strand	-
Start	2105	End	14147
Name	OJ000113_02.0426.C4.o2.gs	Method	GENSCAN
Start	2105	End	9156
GI	none	Score	.74
Exons	2105..2876, 3833..3983, 5209..5316, 5373..5715, 7303..7602, 7704..8067, 8606..8853, 8989..9156		

Seq. No.	56995	Seq. ID	OJ000113_02.0426.C4
Gene No.	119320	Strand	-
Start	2105	End	14147
Name	OJ000113_02.0426.C4.o3.tm	Method	TBLASTX:Maize
Start	2365	End	2824
GI	none	Score	174
Exons	2365..2583, 2374..2589, 2408..2701, 2421..2699, 2690..2824,		

2698..2814

Seq. No.	56995	Seq. ID	OJ000113_02.0426.C4
Gene No.	119320	Strand	-
Start	2105	End	14147
Name	OJ000113_02.0426.C4.o1.np	Method	AAT/NAP
Start	7174	End	14147
GI	7430708	Score	684
Exons	7174..7602, 7704..8067, 8606..8853, 12723..12949, 13868..14147		
GI Descrip.	cytochrome P450 homolog F14M4.22 - Arabidopsis thaliana gi|3522946|gb|AAC34228.1| (AC004411) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	56995	Seq. ID	OJ000113_02.0426.C4
Gene No.	119320	Strand	-
Start	2105	End	14147
Name	OJ000113_02.0426.C4.o1.tm	Method	TBLASTX:Maize
Start	7187	End	11926
GI	none	Score	69
Exons	7187..7276, 7195..7257, 7315..7374, 7402..7602, 7445..7600, 7689..7892, 7705..7893, 11231..11401, 11348..11425, 11358..11429, 11453..11665, 11493..11663, 11812..11925, 11813..11926		

Seq. No.	56995	Seq. ID	OJ000113_02.0426.C4
Gene No.	119320	Strand	-
Start	2105	End	14147
Name	OJ000113_02.0426.C4.o1.ts	Method	TBLASTX:Soybean
Start	7192	End	14063
GI	none	Score	80
Exons	7192..7602, 7214..7363, 7472..7603, 7689..7883, 8638..8772, 8917..9081, 9136..9171, 9830..9961, 11226..11582, 11231..11653, 12433..12543, 12714..12815, 13932..14063		

Seq. No.	56995	Seq. ID	OJ000113_02.0426.C4
Gene No.	119320	Strand	-
Start	2105	End	14147
Name	OJ000113_02.0426.C4.o1.tc	Method	TBLASTX:Cress
Start	7201	End	11647
GI	none	Score	78
Exons	7201..7596, 7478..7585, 11252..11647, 11253..11636		

Seq. No.	56995	Seq. ID	OJ000113_02.0426.C4
Gene No.	119320	Strand	-
Start	2105	End	14147
Name	OJ000113_02.0426.C4.o2.tw	Method	TBLASTX:Wheat
Start	7315	End	11572
GI	none	Score	54
Exons	7315..7380, 7316..7366, 7372..7446, 7375..7521, 11354..11419, 11358..11414, 11424..11570, 11432..11572		

Seq. No.	56995	Seq. ID	OJ000113_02.0426.C4
Gene No.	119320	Strand	-
Start	2105	End	14147
Name	OJ000113_02.0426.C4.o1.tw	Method	TBLASTX:Wheat
Start	7522	End	11982
GI	none	Score	95

Exons	7522..7602, 7523..7600, 7525..7602, 7705..7899, 7740..7898, 11573..11653, 11574..11651, 11746..11814, 11748..11876, 11750..11815, 11794..11982, 11795..11977		
Seq. No.	56995	Seq. ID	OJ000113_02.0426.C4
Gene No.	119320	Strand	-
Start	2105	End	14147
Name	OJ000113_02.0426.C4.o2.tm	Method	TBLASTX:Maize
Start	8588	End	12794
GI	none	Score	122
Exons	8588..8854, 8617..8856, 8992..9063, 12362..12628, 12379..12639, 12379..12627, 12380..12628, 12723..12794, 12726..12788		
Seq. No.	56995	Seq. ID	OJ000113_02.0426.C4
Gene No.	119320	Strand	-
Start	2105	End	14147
Name	OJ000113_02.0426.C4.o4.tm	Method	TBLASTX:Maize
Start	9743	End	14052
GI	none	Score	103
Exons	9743..9811, 9776..9946, 9825..9938, 13866..13937, 13916..14023, 13929..14045, 13930..14052		
Seq. No.	56995	Seq. ID	OJ000113_02.0426.C4
Gene No.	119320	Strand	-
Start	2105	End	14147
Name	OJ000113_02.0426.C4.o4.gs	Method	GENSCAN
Start	11225	End	14091
GI	none	Score	.69
Exons	11225..11653, 11749..12085, 12380..12627, 12723..12949, 13868..14091		
Seq. No.	56996	Seq. ID	OJ000113_02.0426.C5
Gene No.	119321	Strand	+
Start	2446	End	2510
Name	OJ000113_02.0426.C5.o1.gp	Method	AAT/GAP
Start	2446	End	2510
GI	LIB3477-003-P1-K1-E9	Score	84
Exons	2446..2510		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	56996	Seq. ID	OJ000113_02.0426.C5
Gene No.	119322	Strand	+
Start	3699	End	3860
Name	OJ000113_02.0426.C5.o3.np	Method	AAT/NAP
Start	3699	End	3860
GI	4680183	Score	122
Exons	3699..3860		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	56996	Seq. ID	OJ000113_02.0426.C5
Gene No.	119323	Strand	-
Start	229	End	1702
Name	OJ000113_02.0426.C5.o1.np	Method	AAT/NAP
Start	229	End	1702
GI	7340672	Score	478

Exons	229..463, 512..1702		
GI Descrip.	(AL162508) putative protein [Arabidopsis thaliana]		
Seq. No.	56996	Seq. ID	OJ000113_02.0426.C5
Gene No.	119324	Strand	-
Start	1676	End	3738
Name	OJ000113_02.0426.C5.o2.np	Method	AAT/NAP
Start	1676	End	3738
GI	6721561	Score	95
Exons	1676..1703, 3632..3738		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	56996	Seq. ID	OJ000113_02.0426.C5
Gene No.	119325	Strand	-
Start	4529	End	5044
Name	OJ000113_02.0426.C5.o4.tm	Method	TBLASTX:Maize
Start	93	End	397
GI	none	Score	180
Exons	93..116, 180..374, 209..397, 210..374, 211..384		
Seq. No.	56996	Seq. ID	OJ000113_02.0426.C5
Gene No.	119325	Strand	-
Start	4529	End	5044
Name	OJ000113_02.0426.C5.o2.tm	Method	TBLASTX:Maize
Start	499	End	822
GI	none	Score	133
Exons	499..666, 503..817, 506..814, 516..818, 528..821, 706..822		
Seq. No.	56996	Seq. ID	OJ000113_02.0426.C5
Gene No.	119325	Strand	-
Start	4529	End	5044
Name	OJ000113_02.0426.C5.o1.ts	Method	TBLASTX:Soybean
Start	542	End	883
GI	none	Score	73
Exons	542..715, 588..719, 707..814, 744..803, 776..883, 780..881		
Seq. No.	56996	Seq. ID	OJ000113_02.0426.C5
Gene No.	119325	Strand	-
Start	4529	End	5044
Name	OJ000113_02.0426.C5.o1.tc	Method	TBLASTX:Cress
Start	569	End	805
GI	none	Score	127
Exons	569..805, 582..797		
Seq. No.	56996	Seq. ID	OJ000113_02.0426.C5
Gene No.	119325	Strand	-
Start	4529	End	5044
Name	OJ000113_02.0426.C5.o1.tm	Method	TBLASTX:Maize
Start	849	End	1394
GI	none	Score	162
Exons	849..1070, 850..1071, 851..1108, 1055..1207, 1070..1195, 1187..1330, 1187..1384, 1230..1394, 1245..1358		

Seq. No.	56996	Seq. ID	OJ000113_02.0426.C5
Gene No.	119325	Strand	-
Start	4529	End	5044
Name	OJ000113_02.0426.C5.o3.tm	Method	TBLASTX:Maize
Start	1484	End	1721
GI	none	Score	138
Exons	1484..1711, 1493..1711, 1557..1721		

Seq. No.	56996	Seq. ID	OJ000113_02.0426.C5
Gene No.	119325	Strand	-
Start	4529	End	5044
Name	OJ000113_02.0426.C5.o4.np	Method	AAT/NAP
Start	4529	End	5044
GI	7340881	Score	70
Exons	4529..4650, 4714..5044		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	56997	Seq. ID	OJ000113_02.0426.C6
Gene No.	119326	Strand	+
Start	11	End	794
Name	OJ000113_02.0426.C6.o1.np	Method	AAT/NAP
Start	11	End	611
GI	6721559	Score	218
Exons	11..611		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	56997	Seq. ID	OJ000113_02.0426.C6
Gene No.	119326	Strand	+
Start	11	End	794
Name	OJ000113_02.0426.C6.o1.gs	Method	GENSCAN
Start	374	End	794
GI	none	Score	.65
Exons	374..488, 730..794		

Seq. No.	56997	Seq. ID	OJ000113_02.0426.C6
Gene No.	119327	Strand	-
Start	923	End	2780
Name	OJ000113_02.0426.C6.o2.gs	Method	GENSCAN
Start	923	End	2780
GI	none	Score	.49
Exons	923..1107, 1142..1142, 1644..1763, 2188..2217, 2727..2780		

Seq. No.	56998	Seq. ID	OJ000113_02.0426.C7
Gene No.	119328	Strand	-
Start	1263	End	3095
Name	OJ000113_02.0426.C7.o1.gp	Method	AAT/GAP
Start	1263	End	2804
GI	71515_1.R1084	Score	1708
Exons	1263..1631, 1835..1955, 2032..2130, 2347..2689, 2779..2804		
GI Descrip.	'5103847/gb|AAD39677.1|AC007591_42 6.0e-12 (AC007591) Contains PF_00561 alpha/beta hydrolase fold. [Arabidopsis thaliana]'		

Seq. No.	56998	Seq. ID	OJ000113_02.0426.C7
Gene No.	119328	Strand	-
Start	1263	End	3095

Name	OJ000113_02.0426.C7.o1.tm	Method	TBLASTX:Maize
Start	1400	End	2445
GI	none	Score	35
Exons	1400..1435, 1411..1443, 1438..1632, 1448..1633, 1494..1634, 1828..1956, 1836..1946, 1836..1964, 1837..1956, 2032..2139, 2032..2130, 2036..2161, 2036..2131, 2341..2445, 2368..2439		

Seq. No.	56998	Seq. ID	OJ000113_02.0426.C7
Gene No.	119328	Strand	-
Start	1263	End	3095
Name	OJ000113_02.0426.C7.o1.np	Method	AAT/NAP
Start	1405	End	3095
GI	6630546	Score	784
Exons	1405..1631, 1835..1955, 2032..2130, 2347..2529, 2575..2689, 2779..3095		
GI Descrip.	(AC011708) putative alpha/beta hydrolase [Arabidopsis thaliana]		

Seq. No.	56998	Seq. ID	OJ000113_02.0426.C7
Gene No.	119328	Strand	-
Start	1263	End	3095
Name	OJ000113_02.0426.C7.o1.tc	Method	TBLASTX:Cress
Start	2838	End	3036
GI	none	Score	109
Exons	2838..2879, 2893..3036, 2895..3023		

Seq. No.	56999	Seq. ID	OJ000113_02.0426.C8
Gene No.	119329	Strand	+
Start	1	End	2246
Name	OJ000113_02.0426.C8.o1.np	Method	AAT/NAP
Start	1	End	2246
GI	6907106	Score	200
Exons	1..48, 1804..1850, 2069..2246		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	56999	Seq. ID	OJ000113_02.0426.C8
Gene No.	119329	Strand	+
Start	1	End	2246
Name	OJ000113_02.0426.C8.o1.gs	Method	GENSCAN
Start	1276	End	1662
GI	none	Score	.87
Exons	1276..1662		

Seq. No.	56999	Seq. ID	OJ000113_02.0426.C8
Gene No.	119330	Strand	+
Start	5415	End	8115
Name	OJ000113_02.0426.C8.o3.np	Method	AAT/NAP
Start	5001	End	7939
GI	1946366	Score	269
Exons	5001..5269, 6094..6301, 6423..6502, 6691..6810, 6859..6885, 7139..7306, 7889..7939		
GI Descrip.	(U93215) unknown protein [Arabidopsis thaliana]		

Seq. No.	56999	Seq. ID	OJ000113_02.0426.C8
Gene No.	119330	Strand	+
Start	5415	End	8115
Name	OJ000113_02.0426.C8.o3.gs	Method	GENSCAN

Start	5415	End	7306
GI	none	Score	.99
Exons	5415..5537, 6088..6270, 6691..6885, 7139..7306		

Seq. No.	56999	Seq. ID	OJ000113_02.0426.C8
Gene No.	119330	Strand	+
Start	5415	End	8115
Name	OJ000113_02.0426.C8.o4.np	Method	AAT/NAP
Start	5415	End	8115
GI	7340671	Score	242
Exons	5415..5514, 6089..6228, 6377..6502, 6691..6885, 7139..7310, 8098..8115		
GI Descrip.	(AL162508) putative protein [Arabidopsis thaliana]		

Seq. No.	56999	Seq. ID	OJ000113_02.0426.C8
Gene No.	119330	Strand	+
Start	5415	End	8115
Name	OJ000113_02.0426.C8.o3.gp	Method	AAT/GAP
Start	6080	End	6760
GI	LIB3479-006-Q6-K1-H9	Score	662
Exons	6080..6270, 6377..6502, 6691..6760		
GI Descrip.	'1946366 4.0e-16 (U93215) unknown protein [Arabidopsis thaliana]'		

Seq. No.	56999	Seq. ID	OJ000113_02.0426.C8
Gene No.	119330	Strand	+
Start	5415	End	8115
Name	OJ000113_02.0426.C8.o4.gp	Method	AAT/GAP
Start	6323	End	7006
GI	LIB3479-006-Q6-K1-H9	Score	774
Exons	6323..6502, 6691..7006		
GI Descrip.	'1946366 4.0e-16 (U93215) unknown protein [Arabidopsis thaliana]'		

Seq. No.	56999	Seq. ID	OJ000113_02.0426.C8
Gene No.	119330	Strand	+
Start	5415	End	8115
Name	OJ000113_02.0426.C8.o5.gp	Method	AAT/GAP
Start	7989	End	8115
GI	none	Score	232
Exons	7989..8115		

Seq. No.	56999	Seq. ID	OJ000113_02.0426.C8
Gene No.	119331	Strand	-
Start	1	End	6506
Name	OJ000113_02.0426.C8.o1.gp	Method	AAT/GAP
Start	1	End	1432
GI	none	Score	914
Exons	1..239, 1199..1432		

Seq. No.	56999	Seq. ID	OJ000113_02.0426.C8
Gene No.	119331	Strand	-
Start	1	End	6506
Name	OJ000113_02.0426.C8.o2.np	Method	AAT/NAP
Start	1151	End	5808
GI	7445894	Score	240
Exons	1151..1178, 3542..4063, 5776..5808		

GI Descrip.	potassium channel protein - maize gi|2104908|emb|CAA68912.1| (Y07632) potassium channel [Zea mays]		
Seq. No.	56999	Seq. ID	OJ000113_02.0426.C8
Gene No.	119331	Strand	-
Start	1	End	6506
Name	OJ000113_02.0426.C8.o2.gp	Method	AAT/GAP
Start	2336	End	2630
GI	20886_2.R1084	Score	355
Exons	2336..2476, 2497..2630		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 8.0e-24 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	56999	Seq. ID	OJ000113_02.0426.C8
Gene No.	119331	Strand	-
Start	1	End	6506
Name	OJ000113_02.0426.C8.o2.gs	Method	GENSCAN
Start	2664	End	4298
GI	none	Score	.53
Exons	2664..3049, 3169..3361, 3872..4088, 4249..4298		

Seq. No.	56999	Seq. ID	OJ000113_02.0426.C8
Gene No.	119331	Strand	-
Start	1	End	6506
Name	OJ000113_02.0426.C8.o1.tc	Method	TBLASTX:Cress
Start	3546	End	4060
GI	none	Score	89
Exons	3546..3626, 3547..3627, 3863..4060, 3864..4055		

Seq. No.	56999	Seq. ID	OJ000113_02.0426.C8
Gene No.	119331	Strand	-
Start	1	End	6506
Name	OJ000113_02.0426.C8.o2.tm	Method	TBLASTX:Maize
Start	3863	End	4031
GI	none	Score	137
Exons	3863..4030, 3864..4031		

Seq. No.	56999	Seq. ID	OJ000113_02.0426.C8
Gene No.	119331	Strand	-
Start	1	End	6506
Name	OJ000113_02.0426.C8.o1.ts	Method	TBLASTX:Soybean
Start	3908	End	4060
GI	none	Score	121
Exons	3908..4060, 3912..4049		

Seq. No.	56999	Seq. ID	OJ000113_02.0426.C8
Gene No.	119331	Strand	-
Start	1	End	6506
Name	OJ000113_02.0426.C8.o3.tm	Method	TBLASTX:Maize
Start	5415	End	6506
GI	none	Score	60
Exons	5415..5465, 6072..6227, 6074..6271, 6087..6182, 6127..6234, 6385..6504, 6386..6499, 6387..6506		

Seq. No.	56999	Seq. ID	OJ000113_02.0426.C8
Gene No.	119332	Strand	
Start	6691	End	7310

Name	OJ000113_02.0426.C8.o1.tm	Method	TBLASTX:Maize
Start	6691	End	7310
GI	none	Score	152
Exons	6691..6810, 6693..6809, 6807..6932, 6808..6888, 7138..7308, 7139..7309, 7176..7310		

Seq. No.	57000	Seq. ID	OJ000113_02.0426.C9
Gene No.	119333	Strand	+
Start	1232	End	2915
Name	OJ000113_02.0426.C9.o1.gs	Method	GENSCAN
Start	1232	End	2915
GI	none	Score	.47
Exons	1232..1450, 1746..2092, 2851..2915		

Seq. No.	57000	Seq. ID	OJ000113_02.0426.C9
Gene No.	119333	Strand	+
Start	1232	End	2915
Name	OJ000113_02.0426.C9.o1.np	Method	AAT/NAP
Start	1799	End	2185
GI	7340671	Score	144
Exons	1799..1972, 2045..2185		
GI Descrip.	(AL162508) putative protein [Arabidopsis thaliana]		

Seq. No.	57000	Seq. ID	OJ000113_02.0426.C9
Gene No.	119334	Strand	+
Start	9940	End	11152
Name	OJ000113_02.0426.C9.o4.tm	Method	TBLASTX:Maize
Start	1803	End	1965
GI	none	Score	185
Exons	1803..1937, 1810..1965		

Seq. No.	57000	Seq. ID	OJ000113_02.0426.C9
Gene No.	119334	Strand	+
Start	9940	End	11152
Name	OJ000113_02.0426.C9.o2.np	Method	AAT/NAP
Start	9940	End	10875
GI	6714361	Score	681
Exons	9940..10875		
GI Descrip.	(AC012562) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	57000	Seq. ID	OJ000113_02.0426.C9
Gene No.	119334	Strand	+
Start	9940	End	11152
Name	OJ000113_02.0426.C9.o1.ts	Method	TBLASTX:Soybean
Start	10036	End	10338
GI	none	Score	63
Exons	10036..10104, 10105..10287, 10273..10338		

Seq. No.	57000	Seq. ID	OJ000113_02.0426.C9
Gene No.	119334	Strand	+
Start	9940	End	11152
Name	OJ000113_02.0426.C9.o2.tm	Method	TBLASTX:Maize
Start	10096	End	10271
GI	none	Score	80
Exons	10096..10161, 10096..10152, 10147..10269, 10156..10269, 10170..10271		

Seq. No.	57000	Seq. ID	OJ000113_02.0426.C9
Gene No.	119334	Strand	+
Start	9940	End	11152
Name	OJ000113_02.0426.C9.o1.tc	Method	TBLASTX:Cress
Start	10102	End	10452
GI	none	Score	355
Exons	10102..10452		

Seq. No.	57000	Seq. ID	OJ000113_02.0426.C9
Gene No.	119334	Strand	+
Start	9940	End	11152
Name	OJ000113_02.0426.C9.o1.tw	Method	TBLASTX:Wheat
Start	10176	End	10413
GI	none	Score	343
Exons	10176..10406, 10177..10413, 10318..10410		

Seq. No.	57000	Seq. ID	OJ000113_02.0426.C9
Gene No.	119334	Strand	+
Start	9940	End	11152
Name	OJ000113_02.0426.C9.o1.tm	Method	TBLASTX:Maize
Start	10272	End	10664
GI	none	Score	191
Exons	10272..10415, 10273..10416, 10315..10416, 10415..10507, 10420..10509, 10422..10508, 10510..10662, 10514..10585, 10518..10664		

Seq. No.	57000	Seq. ID	OJ000113_02.0426.C9
Gene No.	119334	Strand	+
Start	9940	End	11152
Name	OJ000113_02.0426.C9.o3.tm	Method	TBLASTX:Maize
Start	10728	End	11152
GI	none	Score	205
Exons	10728..10877, 10729..10878, 10736..11023, 11132..11152		

Seq. No.	57001	Seq. ID	OJ000113_02.0426.C10
Gene No.	119335	Strand	+
Start	25	End	3365
Name	OJ000113_02.0426.C10.o1.gs	Method	GENSCAN
Start	25	End	3365
GI	none	Score	.7
Exons	25..284, 806..999, 1337..1459, 1491..1640, 3310..3365		

Seq. No.	57001	Seq. ID	OJ000113_02.0426.C10
Gene No.	119336	Strand	+
Start	4053	End	8141
Name	OJ000113_02.0426.C10.o2.gs	Method	GENSCAN
Start	4053	End	8141
GI	none	Score	.98
Exons	4053..4144, 6130..7261, 7494..8141		

Seq. No.	57001	Seq. ID	OJ000113_02.0426.C10
Gene No.	119336	Strand	+
Start	4053	End	8141
Name	OJ000113_02.0426.C10.o1.np	Method	AAT/NAP
Start	5011	End	8075
GI	6714358	Score	1394
Exons	5011..5079, 5327..5393, 6113..7261, 7494..7739, 7779..8075		

GI Descrip. (AC012562) hypothetical protein [Arabidopsis thaliana]

Seq. No.	57001	Seq. ID	OJ000113_02.0426.C10
Gene No.	119337	Strand	-
Start	7680	End	8006
Name	OJ000113_02.0426.C10.o1.tm	Method	TBLASTX:Maize
Start	6107	End	6718
GI	none	Score	243
Exons	6107..6517, 6202..6435, 6572..6718		

Seq. No.	57001	Seq. ID	OJ000113_02.0426.C10
Gene No.	119337	Strand	-
Start	7680	End	8006
Name	OJ000113_02.0426.C10.o2.ts	Method	TBLASTX:Soybean
Start	6110	End	6502
GI	none	Score	258
Exons	6110..6502, 6157..6282		

Seq. No.	57001	Seq. ID	OJ000113_02.0426.C10
Gene No.	119337	Strand	-
Start	7680	End	8006
Name	OJ000113_02.0426.C10.o1.tc	Method	TBLASTX:Cress
Start	6185	End	6522
GI	none	Score	253
Exons	6185..6520, 6199..6522		

Seq. No.	57001	Seq. ID	OJ000113_02.0426.C10
Gene No.	119337	Strand	-
Start	7680	End	8006
Name	OJ000113_02.0426.C10.o3.tm	Method	TBLASTX:Maize
Start	6749	End	7640
GI	none	Score	118
Exons	6749..7021, 6749..6997, 7085..7261, 7111..7263, 7497..7640		

Seq. No.	57001	Seq. ID	OJ000113_02.0426.C10
Gene No.	119337	Strand	-
Start	7680	End	8006
Name	OJ000113_02.0426.C10.o3.ts	Method	TBLASTX:Soybean
Start	6832	End	7183
GI	none	Score	100
Exons	6832..6948, 6833..6952, 6932..7036, 6952..7035, 7072..7182, 7085..7183		

Seq. No.	57001	Seq. ID	OJ000113_02.0426.C10
Gene No.	119337	Strand	-
Start	7680	End	8006
Name	OJ000113_02.0426.C10.o3.tc	Method	TBLASTX:Cress
Start	7111	End	7261
GI	none	Score	184
Exons	7111..7260, 7112..7261		

Seq. No.	57001	Seq. ID	OJ000113_02.0426.C10
Gene No.	119337	Strand	-
Start	7680	End	8006
Name	OJ000113_02.0426.C10.o1.ts	Method	TBLASTX:Soybean
Start	7187	End	8006
GI	none	Score	114

Exons	7187..7261, 7421..7663, 7491..7652, 7608..7664, 7761..7874, 7935..8006		
Seq. No.	57001	Seq. ID	OJ000113_02.0426.C10
Gene No.	119337	Strand	-
Start	7680	End	8006
Name	OJ000113_02.0426.C10.o2.tc	Method	TBLASTX:Cress
Start	7490	End	7871
GI	none	Score	202
Exons	7490..7648, 7491..7652, 7767..7871		
Seq. No.	57001	Seq. ID	OJ000113_02.0426.C10
Gene No.	119337	Strand	-
Start	7680	End	8006
Name	OJ000113_02.0426.C10.o1.gp	Method	AAT/GAP
Start	7680	End	7998
GI	427627	Score	547
Exons	7680..7998		
Seq. No.	57001	Seq. ID	OJ000113_02.0426.C10
Gene No.	119338	Strand	
Start	8518	End	8707
Name	OJ000113_02.0426.C10.o2.tm	Method	TBLASTX:Maize
Start	8518	End	8707
GI	none	Score	219
Exons	8518..8706, 8522..8707, 8531..8707		
Seq. No.	57001	Seq. ID	OJ000113_02.0426.C10
Gene No.	119338	Strand	
Start	8518	End	8707
Name	OJ000113_02.0426.C10.o4.ts	Method	TBLASTX:Soybean
Start	8533	End	8703
GI	none	Score	129
Exons	8533..8643, 8535..8639, 8536..8640, 8537..8641, 8587..8703, 8646..8702		
Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1
Gene No.	119339	Strand	+
Start	1057	End	1172
Name	OJ000103_09.0426.C1.o1.gp	Method	AAT/GAP
Start	1057	End	1172
GI	LIB3431-013-P1-K1-B3	Score	181
Exons	1057..1172		
GI Descrip.	'6002093/emb|X84149.1|CHZLRPS4G 9.0e-21 Zizania latifolia cloroplast rps4 gene for ribosomal protein S4'		
Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1
Gene No.	119340	Strand	-
Start	4850	End	5656
Name	OJ000103_09.0426.C1.o4.tm	Method	TBLASTX:Maize
Start	6	End	1979
GI	none	Score	476
Exons	6..371, 39..377, 40..387, 369..404, 1437..1472, 1464..1892, 1468..1671, 1469..1894, 1470..1895, 1744..1896, 1896..1979, 1897..1977, 1898..1978		
Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1

Gene No.	119340	Strand	-
Start	4850	End	5656
Name	OJ000103_09.0426.C1.o1.tw	Method	TBLASTX:Wheat
Start	69	End	1809
GI	none	Score	101
Exons	69..149, 81..149, 88..150, 94..150, 109..432, 138..431, 1409..1732, 1410..1703, 1691..1747, 1691..1753, 1692..1760, 1771..1809		

Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1
Gene No.	119340	Strand	-
Start	4850	End	5656
Name	OJ000103_09.0426.C1.o2.tc	Method	TBLASTX:Cress
Start	159	End	1682
GI	none	Score	279
Exons	159..467, 160..468, 162..455, 169..465, 685..780, 694..780, 699..788, 701..820, 704..781, 963..1034, 986..1033, 1048..1182, 1052..1681, 1052..1672, 1053..1682		

Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1
Gene No.	119340	Strand	-
Start	4850	End	5656
Name	OJ000103_09.0426.C1.o1.ts	Method	TBLASTX:Soybean
Start	384	End	1458
GI	none	Score	86
Exons	384..455, 384..467, 385..465, 385..468, 954..1010, 1054..1149, 1055..1456, 1056..1457, 1063..1458, 1237..1458		

Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1
Gene No.	119340	Strand	-
Start	4850	End	5656
Name	OJ000103_09.0426.C1.o7.tm	Method	TBLASTX:Maize
Start	919	End	1176
GI	none	Score	44
Exons	919..945, 921..944, 942..980, 943..1062, 953..1066, 954..1064, 976..1068, 1034..1174, 1062..1175, 1063..1176, 1063..1176		

Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1
Gene No.	119340	Strand	-
Start	4850	End	5656
Name	OJ000103_09.0426.C1.o6.tm	Method	TBLASTX:Maize
Start	2060	End	2446
GI	none	Score	97
Exons	2060..2155, 2069..2155, 2070..2156, 2070..2159, 2071..2160, 2150..2245, 2155..2403, 2158..2442, 2291..2422, 2426..2446		

Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1
Gene No.	119340	Strand	-
Start	4850	End	5656
Name	OJ000103_09.0426.C1.o1.tm	Method	TBLASTX:Maize
Start	2613	End	3769
GI	none	Score	35
Exons	2613..2633, 2633..2797, 2634..2798, 2635..2814, 2636..2839, 2762..3418, 2793..3422, 2796..3386, 2809..3417, 3415..3567, 3416..3481, 3417..3767, 3432..3767, 3521..3769, 3622..3768		

Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1

Gene No.	119340	Strand	-
Start	4850	End	5656
Name	OJ000103_09.0426.C1.o4.ts	Method	TBLASTX:Soybean
Start	2623	End	3299
GI	none	Score	225
Exons	2623..2784, 2630..2797, 2631..2798, 2876..2899, 2877..2903, 2898..2969, 2911..2955, 2915..2989, 2970..2996, 3030..3065, 3032..3055, 3108..3236, 3118..3237, 3144..3266, 3238..3279, 3239..3298, 3243..3299		

Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1
Gene No.	119340	Strand	-
Start	4850	End	5656
Name	OJ000103_09.0426.C1.o5.tc	Method	TBLASTX:Cress
Start	2628	End	3362
GI	none	Score	201
Exons	2628..2810, 2628..2810, 2638..2817, 2903..2986, 2908..3000, 2908..2988, 2999..3112, 3009..3113, 3009..3125, 3113..3232, 3120..3236, 3121..3237, 3121..3243, 3147..3278, 3242..3295, 3243..3278, 3306..3362, 3330..3350		

Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1
Gene No.	119340	Strand	-
Start	4850	End	5656
Name	OJ000103_09.0426.C1.o4.tc	Method	TBLASTX:Cress
Start	3428	End	3778
GI	none	Score	432
Exons	3428..3775, 3521..3778		

Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1
Gene No.	119340	Strand	-
Start	4850	End	5656
Name	OJ000103_09.0426.C1.o6.ts	Method	TBLASTX:Soybean
Start	3638	End	4628
GI	none	Score	187
Exons	3638..3748, 3638..3754, 3640..3756, 4462..4587, 4472..4627, 4473..4628		

Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1
Gene No.	119340	Strand	-
Start	4850	End	5656
Name	OJ000103_09.0426.C1.o5.tm	Method	TBLASTX:Maize
Start	4109	End	4452
GI	none	Score	85
Exons	4109..4159, 4111..4188, 4112..4195, 4130..4192, 4149..4199, 4172..4297, 4185..4301, 4188..4295, 4189..4308, 4225..4347, 4297..4452, 4297..4449		

Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1
Gene No.	119340	Strand	-
Start	4850	End	5656
Name	OJ000103_09.0426.C1.o7.tc	Method	TBLASTX:Cress
Start	4246	End	4578
GI	none	Score	51
Exons	4246..4284, 4251..4289, 4272..4343, 4273..4347, 4303..4347, 4396..4461, 4405..4458, 4406..4459, 4433..4570, 4437..4577, 4449..4577, 4462..4578		

Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1
Gene No.	119340	Strand	-
Start	4850	End	5656
Name	OJ000103_09.0426.C1.o2.tm	Method	TBLASTX:Maize
Start	4507	End	5637
GI	none	Score	162
Exons	4507..4653, 4514..4654, 4518..4670, 4521..4658, 4588..4659, 4698..4778, 4698..4778, 4699..4779, 4700..4780, 4702..4779, 4761..4832, 4774..4827, 4775..4831, 4816..4896, 4829..4933, 4830..4919, 4911..4961, 4911..4958, 4974..5003, 4975..5004, 4999..5115, 5005..5121, 5007..5135, 5097..5210, 5110..5187, 5151..5207, 5157..5636, 5184..5636, 5185..5637, 5302..5637		

Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1
Gene No.	119340	Strand	-
Start	4850	End	5656
Name	OJ000103_09.0426.C1.o2.gp	Method	AAT/GAP
Start	4850	End	5108
GI	uC-osflM202088b07a1	Score	514
Exons	4850..5108		
GI Descrip.	'11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome'		

Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1
Gene No.	119340	Strand	-
Start	4850	End	5656
Name	OJ000103_09.0426.C1.o2.ts	Method	TBLASTX:Soybean
Start	5086	End	5504
GI	none	Score	45
Exons	5086..5115, 5168..5497, 5168..5500, 5169..5504, 5187..5504		

Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1
Gene No.	119340	Strand	-
Start	4850	End	5656
Name	OJ000103_09.0426.C1.o3.tc	Method	TBLASTX:Cress
Start	5086	End	5454
GI	none	Score	45
Exons	5086..5115, 5109..5192, 5187..5453, 5187..5453, 5302..5454		

Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1
Gene No.	119340	Strand	-
Start	4850	End	5656
Name	OJ000103_09.0426.C1.o6.tc	Method	TBLASTX:Cress
Start	5455	End	5656
GI	none	Score	164
Exons	5455..5607, 5456..5656, 5457..5654		

Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1
Gene No.	119341	Strand	
Start	5657	End	6500
Name	OJ000103_09.0426.C1.o1.tc	Method	TBLASTX:Cress
Start	5657	End	6500
GI	none	Score	1369
Exons	5657..6499, 5658..6500		

Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1

Gene No.	119341	Strand	
Start	5657	End	6500
Name	OJ000103_09.0426.C1.o5.ts	Method	TBLASTX:Soybean
Start	5665	End	5897
GI	none	Score	324
Exons	5665..5889, 5667..5897, 5669..5896		

Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1
Gene No.	119341	Strand	
Start	5657	End	6500
Name	OJ000103_09.0426.C1.o3.tm	Method	TBLASTX:Maize
Start	5837	End	6352
GI	none	Score	302
Exons	5837..6034, 5837..6349, 5839..6111, 5868..6350, 5868..6350, 6089..6352		

Seq. No.	57002	Seq. ID	OJ000103_09.0426.C1
Gene No.	119341	Strand	
Start	5657	End	6500
Name	OJ000103_09.0426.C1.o3.ts	Method	TBLASTX:Soybean
Start	6132	End	6409
GI	none	Score	489
Exons	6132..6407, 6132..6407, 6146..6409, 6355..6408		

Seq. No.	57003	Seq. ID	OJ000103_09.0426.C2
Gene No.	119342	Strand	+
Start	1497	End	3732
Name	OJ000103_09.0426.C2.o1.tm	Method	TBLASTX:Maize
Start	1	End	3385
GI	none	Score	94
Exons	1..72, 94..138, 189..506, 193..507, 325..507, 574..654, 658..801, 685..783, 1523..1630, 1540..1635, 1541..1621, 1545..1625, 1600..1683, 1601..2134, 1611..1964, 1733..2107, 1998..2132, 2104..2277, 2130..3134, 2130..3146, 2143..3171, 2156..3175, 2671..3171, 3169..3225, 3173..3226, 3180..3227, 3259..3285, 3269..3286, 3287..3385, 3288..3371		

Seq. No.	57003	Seq. ID	OJ000103_09.0426.C2
Gene No.	119342	Strand	+
Start	1497	End	3732
Name	OJ000103_09.0426.C2.o1.ts	Method	TBLASTX:Soybean
Start	1	End	3403
GI	none	Score	94
Exons	1..72, 94..138, 189..530, 193..507, 574..654, 658..801, 694..783, 813..905, 1886..2134, 1886..2107, 1998..2132, 2104..2274, 2130..3134, 2130..3134, 2137..3171, 2156..3184, 2671..3183, 3257..3403, 3306..3371		

Seq. No.	57003	Seq. ID	OJ000103_09.0426.C2
Gene No.	119342	Strand	+
Start	1497	End	3732
Name	OJ000103_09.0426.C2.o2.tc	Method	TBLASTX:Cress
Start	1	End	2458
GI	none	Score	94
Exons	1..72, 94..138, 1925..2134, 1935..1964, 1936..2103, 1998..2132, 2001..2138, 2108..2452, 2130..2456, 2130..2456, 2156..2458, 2326..2457		

Seq. No.	57003	Seq. ID	OJ000103_09.0426.C2
Gene No.	119342	Strand	+
Start	1497	End	3732
Name	OJ000103_09.0426.C2.o1.tc	Method	TBLASTX:Cress
Start	244	End	3008
GI	none	Score	295
Exons	244..507, 252..506, 574..648, 658..789, 685..783, 2459..2839, 2460..2840, 2462..2842, 2671..2847, 2841..3008, 2842..3003, 2843..3007		

Seq. No.	57003	Seq. ID	OJ000103_09.0426.C2
Gene No.	119342	Strand	+
Start	1497	End	3732
Name	OJ000103_09.0426.C2.o6.tc	Method	TBLASTX:Cress
Start	792	End	980
GI	none	Score	324
Exons	792..980, 792..977, 794..979		

Seq. No.	57003	Seq. ID	OJ000103_09.0426.C2
Gene No.	119342	Strand	+
Start	1497	End	3732
Name	OJ000103_09.0426.C2.o3.tc	Method	TBLASTX:Cress
Start	980	End	1379
GI	none	Score	716
Exons	980..1369, 980..1369, 982..1377, 982..1377, 1302..1379		

Seq. No.	57003	Seq. ID	OJ000103_09.0426.C2
Gene No.	119342	Strand	+
Start	1497	End	3732
Name	OJ000103_09.0426.C2.o3.tm	Method	TBLASTX:Maize
Start	984	End	1131
GI	none	Score	168
Exons	984..1130, 984..1130, 985..1131		

Seq. No.	57003	Seq. ID	OJ000103_09.0426.C2
Gene No.	119342	Strand	+
Start	1497	End	3732
Name	OJ000103_09.0426.C2.o3.ts	Method	TBLASTX:Soybean
Start	1149	End	1398
GI	none	Score	130
Exons	1149..1247, 1150..1254, 1150..1398, 1151..1369, 1303..1398		

Seq. No.	57003	Seq. ID	OJ000103_09.0426.C2
Gene No.	119342	Strand	+
Start	1497	End	3732
Name	OJ000103_09.0426.C2.o2.tm	Method	TBLASTX:Maize
Start	1185	End	1522
GI	none	Score	216
Exons	1185..1247, 1194..1367, 1195..1521, 1196..1522, 1196..1522		

Seq. No.	57003	Seq. ID	OJ000103_09.0426.C2
Gene No.	119342	Strand	+
Start	1497	End	3732
Name	OJ000103_09.0426.C2.o2.ts	Method	TBLASTX:Soybean
Start	1401	End	1886
GI	none	Score	189

Exons	1401..1598, 1410..1598, 1411..1683, 1412..1885, 1626..1886, 1635..1688, 1732..1884, 1733..1885		
Seq. No.	57003	Seq. ID	OJ000103_09.0426.C2
Gene No.	119342	Strand	+
Start	1497	End	3732
Name	OJ000103_09.0426.C2.o1.gp	Method	AAT/GAP
Start	1497	End	1927
GI	uC-osflcyp021g10b1	Score	766
Exons	1497..1927		
GI Descrip.	'131148/sp|P12156|PSAB_ORYSA 6.0e-59 PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A2 >gi_72674_pir__A2RZP7 photosystem I P700 apoprotein A2 - rice chloroplast >gi_11981_emb_CAA33995_ (X15901) PSI P700 apoprotein A2 [Oryza sativa] >gi_226604_prf__1603356AA photosystem I P700 apoprotein A2 [Oryza sativa]'		

Seq. No.	57003	Seq. ID	OJ000103_09.0426.C2
Gene No.	119342	Strand	+
Start	1497	End	3732
Name	OJ000103_09.0426.C2.o4.tc	Method	TBLASTX:Cress
Start	1510	End	1920
GI	none	Score	614
Exons	1510..1683, 1511..1918, 1515..1688, 1516..1920, 1732..1884, 1733..1918		

Seq. No.	57003	Seq. ID	OJ000103_09.0426.C2
Gene No.	119342	Strand	+
Start	1497	End	3732
Name	OJ000103_09.0426.C2.o5.tc	Method	TBLASTX:Cress
Start	3049	End	3732
GI	none	Score	130
Exons	3049..3159, 3050..3160, 3051..3134, 3275..3406, 3303..3371, 3420..3620, 3424..3621, 3425..3622, 3425..3619, 3648..3731, 3650..3730, 3676..3732		

Seq. No.	57004	Seq. ID	OJ000103_09.0426.C3
Gene No.	119343	Strand	+
Start	1565	End	2095
Name	OJ000103_09.0426.C3.o2.gp	Method	AAT/GAP
Start	1565	End	2095
GI	2135_1.R1084	Score	1046
Exons	1565..2095		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-159 Rice complete chloroplast genome'		

Seq. No.	57004	Seq. ID	OJ000103_09.0426.C3
Gene No.	119344	Strand	-
Start	408	End	2095
Name	OJ000103_09.0426.C3.o1.ts	Method	TBLASTX:Soybean
Start	100	End	2086
GI	none	Score	78
Exons	100..999, 101..169, 165..320, 167..820, 447..1010, 1015..1050, 1070..1570, 1072..1566, 1606..1647, 1611..1640, 1729..1746, 1831..1902, 1836..1895, 1837..1905, 1927..1974, 1932..1967, 1933..1974, 1993..2064, 1996..2040, 2001..2084, 2033..2086		

Seq. No.	57004	Seq. ID	OJ000103_09.0426.C3
Gene No.	119344	Strand	-
Start	408	End	2095
Name	OJ000103_09.0426.C3.o3.tc	Method	TBLASTX:Cress
Start	224	End	494
GI	none	Score	155
Exons	224..490, 232..489, 312..494		

Seq. No.	57004	Seq. ID	OJ000103_09.0426.C3
Gene No.	119344	Strand	-
Start	408	End	2095
Name	OJ000103_09.0426.C3.o1.gp	Method	AAT/GAP
Start	408	End	954
GI	5005311	Score	1047
Exons	408..954		
GI Descrip.	114521/sp|P12084|ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]		

Seq. No.	57004	Seq. ID	OJ000103_09.0426.C3
Gene No.	119344	Strand	-
Start	408	End	2095
Name	OJ000103_09.0426.C3.o1.tc	Method	TBLASTX:Cress
Start	499	End	1474
GI	none	Score	344
Exons	499..996, 500..820, 513..1010, 1063..1473, 1070..1474, 1100..1474		

Seq. No.	57004	Seq. ID	OJ000103_09.0426.C3
Gene No.	119344	Strand	-
Start	408	End	2095
Name	OJ000103_09.0426.C3.o2.tm	Method	TBLASTX:Maize
Start	641	End	954
GI	none	Score	48
Exons	641..712, 643..954, 773..817		

Seq. No.	57004	Seq. ID	OJ000103_09.0426.C3
Gene No.	119344	Strand	-
Start	408	End	2095
Name	OJ000103_09.0426.C3.o1.tm	Method	TBLASTX:Maize
Start	998	End	2095
GI	none	Score	62
Exons	998..1060, 1006..1065, 1012..1065, 1060..1341, 1060..1581, 1070..1600, 1568..1654, 1603..1818, 1611..1757, 1657..1782, 1740..1841, 1756..1869, 1762..1872, 1825..1902, 1829..1909, 1833..1910, 1898..1993, 1902..2006, 1903..2007, 1903..2049, 1989..2093, 1999..2094, 2011..2094, 2036..2095		

Seq. No.	57004	Seq. ID	OJ000103_09.0426.C3
Gene No.	119344	Strand	-
Start	408	End	2095
Name	OJ000103_09.0426.C3.o1.tw	Method	TBLASTX:Wheat
Start	1137	End	1582
GI	none	Score	505
Exons	1137..1487, 1142..1492, 1152..1490, 1488..1568, 1496..1582,		

1496..1564, 1498..1581

Seq. No.	57004	Seq. ID	OJ000103_09.0426.C3
Gene No.	119344	Strand	-
Start	408	End	2095
Name	OJ000103_09.0426.C3.o2.tw	Method	TBLASTX:Wheat
Start	1804	End	2094
GI	none	Score	43
Exons	1804..1908, 1806..1841, 1813..1845, 1831..1917, 1835..1921, 1838..1918, 1872..1922, 1918..2001, 1920..2000, 1920..2030, 1921..2001, 2004..2093, 2004..2093, 2005..2094		

Seq. No.	57005	Seq. ID	OJ000103_09.0426.C5
Gene No.	119345	Strand	+
Start	2149	End	2583
Name	OJ000103_09.0426.C5.o1.gp	Method	AAT/GAP
Start	2149	End	2583
GI	5886_1.R1084	Score	836
Exons	2149..2583		
GI Descrip.	'11957/emb|X15901|CHOSXX 0.0e+00 Rice complete chloroplast genome'		

Seq. No.	57005	Seq. ID	OJ000103_09.0426.C5
Gene No.	119346	Strand	+
Start	3569	End	4022
Name	OJ000103_09.0426.C5.o2.gp	Method	AAT/GAP
Start	3569	End	4022
GI	24570_1.R1084	Score	908
Exons	3569..4022		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	57005	Seq. ID	OJ000103_09.0426.C5
Gene No.	119347	Strand	+
Start	4386	End	4749
Name	OJ000103_09.0426.C5.o3.gp	Method	AAT/GAP
Start	4386	End	4749
GI	5455469	Score	666
Exons	4386..4749		
GI Descrip.	131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15		

Seq. No.	57005	Seq. ID	OJ000103_09.0426.C5
Gene No.	119348	Strand	-
Start	4773	End	5140
Name	OJ000103_09.0426.C5.o3.tc	Method	TBLASTX:Cress
Start	3	End	505

GI	none	Score	49
Exons	3..47, 3..38, 95..202, 99..176, 115..177, 159..353, 177..356, 178..354, 389..439, 390..440, 428..502, 449..505		

Seq. No.	57005	Seq. ID	OJ000103_09.0426.C5
Gene No.	119348	Strand	-
Start	4773	End	5140
Name	OJ000103_09.0426.C5.o4.ts	Method	TBLASTX:Soybean
Start	437	End	760
GI	none	Score	78
Exons	437..487, 437..487, 439..489, 584..673, 587..673, 588..674, 677..760, 678..758		

Seq. No.	57005	Seq. ID	OJ000103_09.0426.C5
Gene No.	119348	Strand	-
Start	4773	End	5140
Name	OJ000103_09.0426.C5.o3.tm	Method	TBLASTX:Maize
Start	466	End	746
GI	none	Score	367
Exons	466..693, 466..675, 468..692, 671..745, 672..746, 674..745		

Seq. No.	57005	Seq. ID	OJ000103_09.0426.C5
Gene No.	119348	Strand	-
Start	4773	End	5140
Name	OJ000103_09.0426.C5.o4.tm	Method	TBLASTX:Maize
Start	2199	End	2469
GI	none	Score	256
Exons	2199..2420, 2199..2312, 2200..2421, 2318..2368, 2321..2368, 2409..2468, 2410..2469, 2410..2469		

Seq. No.	57005	Seq. ID	OJ000103_09.0426.C5
Gene No.	119348	Strand	-
Start	4773	End	5140
Name	OJ000103_09.0426.C5.o6.ts	Method	TBLASTX:Soybean
Start	2552	End	2767
GI	none	Score	189
Exons	2552..2767, 2559..2765		

Seq. No.	57005	Seq. ID	OJ000103_09.0426.C5
Gene No.	119348	Strand	-
Start	4773	End	5140
Name	OJ000103_09.0426.C5.o1.tw	Method	TBLASTX:Wheat
Start	2768	End	3035
GI	none	Score	407
Exons	2768..2953, 2769..3035, 2776..3033		

Seq. No.	57005	Seq. ID	OJ000103_09.0426.C5
Gene No.	119348	Strand	-
Start	4773	End	5140
Name	OJ000103_09.0426.C5.o3.ts	Method	TBLASTX:Soybean
Start	2768	End	3096
GI	none	Score	73
Exons	2768..2869, 2774..2851, 2776..2853, 2844..2948, 2845..3096, 2847..3092		

Seq. No.	57005	Seq. ID	OJ000103_09.0426.C5
Gene No.	119348	Strand	-

Start	4773	End	5140
Name	OJ000103_09.0426.C5.o1.tm	Method	TBLASTX:Maize
Start	3565	End	4061
GI	none	Score	859
Exons	3565..4059, 3570..4061, 3572..4060		

Seq. No.	57005	Seq. ID	OJ000103_09.0426.C5
Gene No.	119348	Strand	-
Start	4773	End	5140
Name	OJ000103_09.0426.C5.o1.ts	Method	TBLASTX:Soybean
Start	3565	End	3880
GI	none	Score	174
Exons	3565..3744, 3575..3880, 3576..3878, 3584..3880		

Seq. No.	57005	Seq. ID	OJ000103_09.0426.C5
Gene No.	119348	Strand	-
Start	4773	End	5140
Name	OJ000103_09.0426.C5.o1.tc	Method	TBLASTX:Cress
Start	3589	End	4256
GI	none	Score	46
Exons	3589..3624, 3602..4027, 3621..4046, 4023..4253, 4029..4256		

Seq. No.	57005	Seq. ID	OJ000103_09.0426.C5
Gene No.	119348	Strand	-
Start	4773	End	5140
Name	OJ000103_09.0426.C5.o5.ts	Method	TBLASTX:Soybean
Start	3945	End	4310
GI	none	Score	214
Exons	3945..4310, 4104..4289		

Seq. No.	57005	Seq. ID	OJ000103_09.0426.C5
Gene No.	119348	Strand	-
Start	4773	End	5140
Name	OJ000103_09.0426.C5.o2.tc	Method	TBLASTX:Cress
Start	4344	End	4712
GI	none	Score	579
Exons	4344..4712, 4344..4694		

Seq. No.	57005	Seq. ID	OJ000103_09.0426.C5
Gene No.	119348	Strand	-
Start	4773	End	5140
Name	OJ000103_09.0426.C5.o4.gp	Method	AAT/GAP
Start	4773	End	5140
GI	3073_1.R1084	Score	703
Exons	4773..5140		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	57005	Seq. ID	OJ000103_09.0426.C5
Gene No.	119348	Strand	-
Start	4773	End	5140
Name	OJ000103_09.0426.C5.o2.tm	Method	TBLASTX:Maize
Start	4815	End	5128
GI	none	Score	454

Exons	4815..5123, 4818..5087, 4825..5124, 5054..5128, 5060..5128		
Seq. No.	57005	Seq. ID	OJ000103_09.0426.C5
Gene No.	119348	Strand	-
Start	4773	End	5140
Name	OJ000103_09.0426.C5.o4.tc	Method	TBLASTX:Cress
Start	4825	End	5072
GI	none	Score	39
Exons	4825..4851, 4857..5072, 4876..5010, 4884..5069		
Seq. No.	57005	Seq. ID	OJ000103_09.0426.C5
Gene No.	119348	Strand	-
Start	4773	End	5140
Name	OJ000103_09.0426.C5.o2.ts	Method	TBLASTX:Soybean
Start	4853	End	5121
GI	none	Score	180
Exons	4853..5005, 4857..5090, 4867..5091, 5095..5121, 5096..5119		
Seq. No.	57006	Seq. ID	OJ000103_09.0426.C7
Gene No.	119349	Strand	-
Start	28	End	1395
Name	OJ000103_09.0426.C7.o1.ts	Method	TBLASTX:Soybean
Start	1	End	547
GI	none	Score	252
Exons	1..171, 3..155, 147..275, 150..284, 157..279, 200..280, 269..475, 270..461, 277..465, 417..545, 460..546, 461..547, 461..547		
Seq. No.	57006	Seq. ID	OJ000103_09.0426.C7
Gene No.	119349	Strand	-
Start	28	End	1395
Name	OJ000103_09.0426.C7.o4.tc	Method	TBLASTX:Cress
Start	1	End	148
GI	none	Score	252
Exons	1..147, 2..148, 3..146		
Seq. No.	57006	Seq. ID	OJ000103_09.0426.C7
Gene No.	119349	Strand	-
Start	28	End	1395
Name	OJ000103_09.0426.C7.o1.tc	Method	TBLASTX:Cress
Start	162	End	535
GI	none	Score	150
Exons	162..272, 163..273, 200..274, 270..464, 271..465, 272..475, 460..534, 461..535		
Seq. No.	57006	Seq. ID	OJ000103_09.0426.C7
Gene No.	119349	Strand	-
Start	28	End	1395
Name	OJ000103_09.0426.C7.o2.ts	Method	TBLASTX:Soybean
Start	799	End	1395
GI	none	Score	133
Exons	799..915, 800..880, 831..887, 894..923, 906..959, 919..972, 920..973, 953..1048, 962..1054, 965..1042, 970..1044, 1055..1108, 1056..1106, 1057..1119, 1057..1107, 1119..1169, 1144..1170, 1259..1315, 1260..1316, 1261..1317, 1322..1393, 1326..1394, 1330..1395		

Seq. No.	57006	Seq. ID	OJ000103_09.0426.C7
Gene No.	119349	Strand	-
Start	28	End	1395
Name	OJ000103_09.0426.C7.o1.tm	Method	TBLASTX:Maize
Start	1007	End	1171
GI	none	Score	267
Exons	1007..1171, 1019..1168		

Seq. No.	57006	Seq. ID	OJ000103_09.0426.C7
Gene No.	119349	Strand	-
Start	28	End	1395
Name	OJ000103_09.0426.C7.o3.tc	Method	TBLASTX:Cress
Start	1016	End	1395
GI	none	Score	191
Exons	1016..1141, 1020..1142, 1021..1143, 1025..1144, 1074..1169, 1144..1170, 1145..1171, 1260..1289, 1260..1292, 1261..1296, 1267..1395, 1268..1393		

Seq. No.	57006	Seq. ID	OJ000103_09.0426.C7
Gene No.	119349	Strand	-
Start	28	End	1395
Name	OJ000103_09.0426.C7.o1.tw	Method	TBLASTX:Wheat
Start	1066	End	1395
GI	none	Score	143
Exons	1066..1170, 1082..1171, 1259..1282, 1259..1282, 1267..1395, 1272..1394		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119350	Strand	+
Start	7865	End	8296
Name	OJ000103_09.0426.C11.o3.gp	Method	AAT/GAP
Start	7865	End	8296
GI	41109_1.R1084	Score	844
Exons	7865..8296		
GI Descrip.	'132712/sp|P12138|RK16_ORYSA 4.0e-56 CHLOROPLAST 50S RIBOSOMAL PROTEIN L16 >gi_71250_pir__R5RZ16 ribosomal protein L16 - rice chloroplast >gi_669084_emb_CAA33933_ (X15901) ribosomal protein L16 [Oryza sativa] >gi_226645_prf__1603356BV ribosomal protein L16 [Oryza sativa]'		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119351	Strand	+
Start	8290	End	8868
Name	OJ000103_09.0426.C11.o4.gp	Method	AAT/GAP
Start	8290	End	8868
GI	481_1.R1084	Score	1020
Exons	8290..8868		
GI Descrip.	'132672/sp|P12137|RK14_ORYSA 6.0e-57 CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein L14 [Oryza sativa]'		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119352	Strand	+
Start	9433	End	9822
Name	OJ000103_09.0426.C11.o5.gp	Method	AAT/GAP

Start	9433	End	9822
GI	5003883	Score	765
Exons	9433..9822		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-166 Rice complete chloroplast genome		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119353	Strand	+
Start	10602	End	11167
Name	OJ000103_09.0426.C11.o6.gp	Method	AAT/GAP
Start	10602	End	11167
GI	2798177	Score	1010
Exons	10602..11167		
GI Descrip.	5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119354	Strand	+
Start	14305	End	14468
Name	OJ000103_09.0426.C11.o8.gp	Method	AAT/GAP
Start	14305	End	14468
GI	uC-osflcyp084g07a1	Score	197
Exons	14305..14468		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-38 Rice complete chloroplast genome'		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119355	Strand	+
Start	14598	End	15048
Name	OJ000103_09.0426.C11.o9.gp	Method	AAT/GAP
Start	14598	End	15048
GI	uC-osflcyp003h11b1	Score	863
Exons	14598..15048		
GI Descrip.	'131332/sp|P09449|PSBH_ORYSA 1.0e-09 PHOTOSYSTEM II 10 KD PHOSPHOPROTEIN >gi_72716_pir__F2RZ0P photosystem II phosphoprotein psbH - rice chloroplast >gi_11953_emb_CAA31204_ (X12695) 10 kD phosphoprotein (AA 1 - 73) [Oryza sativa] >gi_12016_emb_CAA33976_ (X15901) PSII 10kDa phosphoprotein [Oryza sativa] >gi_226635_prf__1603356BJ photosystem II 10kD phosphoprotein [Oryza sativa]'		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119356	Strand	-
Start	5000	End	6474
Name	OJ000103_09.0426.C11.o1.gp	Method	AAT/GAP
Start	5000	End	6474
GI	3073_1.R1084	Score	2929
Exons	5000..6474		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119357	Strand	-
Start	6489	End	7593

Name	OJ000103_09.0426.C11.o2.gp	Method	AAT/GAP
Start	6489	End	7593
GI	2291_1.R1084	Score	2141
Exons	6489..7593		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119358	Strand	-
Start	13642	End	14148
Name	OJ000103_09.0426.C11.o7.gp	Method	AAT/GAP
Start	13642	End	14148
GI	uC-osflcyp011b01b1	Score	983
Exons	13642..14148		
GI Descrip.	'343210 5.0e-78 (M35995) apocytochrome b6 (alt.) [Oryza sativa] >gi_226762_prf__1604469A cytochrome b6 [Oryza sativa]'		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o7.ts	Method	TBLASTX:Soybean
Start	140	End	16337
GI	none	Score	205
Exons	140..262, 140..475, 142..621, 142..633, 225..623, 15844..16335, 15854..16252, 15856..16335, 16002..16337, 16215..16337		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o8.tw	Method	TBLASTX:Wheat
Start	429	End	16048
GI	none	Score	286
Exons	429..662, 429..662, 430..669, 616..708, 658..708, 659..709, 668..709, 694..762, 707..772, 714..734, 720..797, 720..761, 721..762, 722..799, 724..804, 726..788, 779..835, 779..835, 837..914, 837..914, 15743..15763, 15768..15818, 15768..15809, 15769..15861, 15769..15819, 15808..16047, 15815..16048, 15815..16048		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o14.tc	Method	TBLASTX:Cress
Start	2211	End	2619
GI	none	Score	111
Exons	2211..2342, 2253..2333, 2260..2340, 2317..2430, 2343..2429, 2344..2430, 2345..2440, 2425..2574, 2427..2573, 2427..2588, 2575..2619, 2580..2615		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o14.tw	Method	TBLASTX:Wheat
Start	2773	End	3000

GI	none	Score	214
Exons	2773..2919, 2773..2934, 2941..3000, 2942..2998		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o1.tc	Method	TBLASTX:Cress
Start	2849	End	4066
GI	none	Score	85
Exons	2849..2935, 2851..2934, 2859..2939, 2940..3014, 2941..3036, 2942..3028, 2948..3046, 3033..3746, 3033..3743, 3539..3748, 3752..3871, 3756..3872, 3859..3990, 3872..4066, 3893..4066		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o5.tm	Method	TBLASTX:Maize
Start	2971	End	3748
GI	none	Score	892
Exons	2971..3303, 2973..3503, 2973..3494, 3496..3669, 3497..3562, 3498..3746, 3498..3743, 3539..3748		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o2.tw	Method	TBLASTX:Wheat
Start	3001	End	3378
GI	none	Score	579
Exons	3001..3303, 3002..3376, 3003..3377, 3003..3377, 3028..3378		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o6.ts	Method	TBLASTX:Soybean
Start	3039	End	3616
GI	none	Score	787
Exons	3039..3614, 3045..3611, 3539..3616		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o1.ts	Method	TBLASTX:Soybean
Start	3617	End	9363
GI	none	Score	453
Exons	3617..4012, 3705..3998, 3990..4067, 3991..4068, 4022..4249, 4073..4252, 4074..4250, 4252..4296, 4252..4293, 4253..4294, 4255..4401, 4288..4386, 4292..4387, 4372..4470, 4373..4570, 4388..4597, 4503..4832, 4538..4777, 4542..4886, 4543..4833, 5081..5107, 5083..5106, 5111..5335, 5112..5345, 5197..5349, 5932..5961, 5946..6104, 5951..6046, 5956..6105, 5956..6105, 6169..6276, 6280..6660, 6291..6659, 6521..6661, 7882..8268, 7884..8273, 7887..8021, 7892..8287, 7925..8287, 8405..8524, 8430..8531, 8507..8701, 8519..8821, 8520..8810, 8807..8872, 8828..9136, 8889..8915, 8913..9134, 8949..9140, 8950..9156, 9129..9356, 9147..9356, 9151..9363, 9199..9363		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11

Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o4.tm	Method	TBLASTX:Maize
Start	3972	End	4801
GI	none	Score	222
Exons	3972..4343, 3976..4470, 3977..4777, 3978..4118, 3979..4800, 3980..4801		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o5.tc	Method	TBLASTX:Cress
Start	4322	End	5210
GI	none	Score	358
Exons	4322..4639, 4402..4470, 4403..4651, 4407..4646, 4408..4647, 4661..4777, 4662..4832, 4665..4832, 4667..4834, 4891..4920, 4891..4920, 4894..4971, 4914..4970, 4921..4971, 4922..4972, 5112..5210, 5118..5207		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o7.tw	Method	TBLASTX:Wheat
Start	4354	End	4660
GI	none	Score	514
Exons	4354..4470, 4355..4660, 4355..4660		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o3.tm	Method	TBLASTX:Maize
Start	4983	End	6747
GI	none	Score	155
Exons	4983..5072, 4984..5085, 5024..5113, 5028..5087, 5074..5148, 5074..5142, 5078..5377, 5079..5393, 5115..5384, 5425..5502, 5427..5546, 5493..5921, 5494..5940, 5494..5952, 5932..6171, 5934..6164, 5935..6213, 6166..6738, 6166..6273, 6168..6716, 6325..6723, 6518..6736, 6715..6747		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o1.tw	Method	TBLASTX:Wheat
Start	5496	End	6265
GI	none	Score	553
Exons	5496..5894, 5500..5895, 5503..5892, 5529..5894, 5916..5954, 5932..6264, 5935..6264, 6170..6265		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o13.ts	Method	TBLASTX:Soybean
Start	5551	End	5879
GI	none	Score	267
Exons	5551..5877, 5584..5865, 5589..5879		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11

Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o11.tc	Method	TBLASTX:Cress
Start	5554	End	6070
GI	none	Score	317
Exons	5554..5877, 5590..5886, 5957..6055, 5958..6068, 5958..6062, 5959..6069, 5972..6070		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o10.tc	Method	TBLASTX:Cress
Start	6301	End	7535
GI	none	Score	455
Exons	6301..6675, 6318..6674, 6346..6717, 6482..6724, 6797..6844, 6814..6855, 6966..7028, 7137..7181, 7177..7203, 7324..7416, 7330..7419, 7331..7420, 7413..7475, 7413..7457, 7494..7535, 7507..7527		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o6.tm	Method	TBLASTX:Maize
Start	6791	End	8669
GI	none	Score	632
Exons	6791..6847, 7884..8294, 7925..8293, 8294..8359, 8333..8623, 8334..8624, 8624..8668, 8625..8669		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o5.tw	Method	TBLASTX:Wheat
Start	6817	End	7451
GI	none	Score	35
Exons	6817..6864, 6818..6850, 6884..7054, 6894..7040, 6894..7064, 6922..7131, 6944..7123, 7012..7125, 7137..7238, 7138..7245, 7141..7254, 7239..7325, 7240..7326, 7242..7316, 7273..7449, 7293..7451, 7301..7450		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o12.tm	Method	TBLASTX:Maize
Start	6887	End	7210
GI	none	Score	87
Exons	6887..7048, 6894..7052, 6895..6954, 6906..7040, 6922..7179, 6944..7051, 7009..7179, 7137..7184, 7143..7184, 7174..7209, 7177..7209, 7181..7210		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o13.tm	Method	TBLASTX:Maize
Start	7251	End	7573
GI	none	Score	344
Exons	7251..7319, 7255..7566, 7270..7563, 7325..7573, 7325..7570		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o10.tw	Method	TBLASTX:Wheat
Start	7538	End	16688
GI	none	Score	47
Exons	7538..7570, 7539..7571, 7541..7573, 7616..7696, 7623..7685, 7669..7698, 7681..7728, 7727..7750, 7729..7752, 7736..7861, 7766..7870, 7771..7896, 7771..7866, 7866..7940, 7867..7941, 16602..16688		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o9.tc	Method	TBLASTX:Cress
Start	7884	End	8396
GI	none	Score	481
Exons	7884..8204, 7890..8189, 7928..8203, 8184..8249, 8195..8242, 8364..8396		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o6.tw	Method	TBLASTX:Wheat
Start	7973	End	8404
GI	none	Score	513
Exons	7973..8293, 7974..8294, 8293..8397, 8348..8401, 8351..8404, 8353..8403		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o12.tc	Method	TBLASTX:Cress
Start	8430	End	8817
GI	none	Score	135
Exons	8430..8531, 8432..8524, 8512..8544, 8519..8611, 8520..8612, 8565..8612, 8612..8809, 8613..8816, 8617..8817		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o9.tw	Method	TBLASTX:Wheat
Start	8558	End	8922
GI	none	Score	402
Exons	8558..8836, 8559..8819, 8561..8836, 8845..8901, 8845..8913, 8847..8903, 8883..8921, 8887..8922, 8887..8922		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o2.tm	Method	TBLASTX:Maize
Start	8710	End	10217
GI	none	Score	78
Exons	8710..8772, 8711..9145, 8712..9356, 8728..9375, 8845..9375, 9293..9376, 9376..9441, 9377..9439, 9512..9769, 9541..9801, 9542..9823, 9543..9797, 9821..10039, 9827..10039, 9828..10046, 9849..10067, 9868..10047, 10077..10115, 10083..10100,		

10084..10215, 10111..10215, 10112..10216, 10128..10217

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o8.tc	Method	TBLASTX:Cress
Start	8843	End	9363
GI	none	Score	36
Exons	8843..8881, 8884..8925, 8892..8924, 8940..9134, 8941..9129, 8947..9156, 8949..9143, 9151..9363, 9159..9356, 9190..9360		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o3.tw	Method	TBLASTX:Wheat
Start	8994	End	9441
GI	none	Score	531
Exons	8994..9356, 9001..9375, 9002..9271, 9003..9356, 9376..9441, 9377..9439		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o15.ts	Method	TBLASTX:Soybean
Start	9547	End	9736
GI	none	Score	209
Exons	9547..9735, 9551..9736		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o14.ts	Method	TBLASTX:Soybean
Start	10178	End	10430
GI	none	Score	84
Exons	10178..10279, 10179..10274, 10186..10278, 10258..10419, 10259..10429, 10259..10420, 10338..10430		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o11.tm	Method	TBLASTX:Maize
Start	10219	End	10505
GI	none	Score	270
Exons	10219..10389, 10220..10387, 10220..10390, 10388..10504, 10388..10504, 10392..10505		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o7.tc	Method	TBLASTX:Cress
Start	10385	End	10972
GI	none	Score	100
Exons	10385..10483, 10386..10481, 10460..10615, 10474..10644, 10483..10644, 10484..10648, 10485..10658, 10518..10652, 10639..10680, 10641..10685, 10641..10685, 10658..10717, 10700..10972, 10729..10968, 10754..10969		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o15.tm	Method	TBLASTX:Maize
Start	10522	End	10784
GI	none	Score	144
Exons	10522..10641, 10523..10615, 10528..10656, 10706..10765, 10726..10764	10527..10643, 10710..10784,	10527..10643, 10710..10763,

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o3.ts	Method	TBLASTX:Soybean
Start	10700	End	11464
GI	none	Score	960
Exons	10700..11464, 10707..11393,	10729..11457,	10754..11464

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o9.tm	Method	TBLASTX:Maize
Start	10792	End	11266
GI	none	Score	719
Exons	10792..11265, 10793..11266,	10793..11266	

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o16.tc	Method	TBLASTX:Cress
Start	11215	End	11657
GI	none	Score	148
Exons	11215..11346, 11215..11409, 11228..11455, 11507..11551, 11592..11657	11226..11357, 11563..11601,	11228..11464, 11568..11606,

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o4.ts	Method	TBLASTX:Soybean
Start	11484	End	13046
GI	none	Score	188
Exons	11484..11678, 11504..11680, 11934..12032, 11936..12502, 11963..12502, 12072..12527, 12763..12789, 12805..12951, 12954..13046	11835..11915, 11938..12492, 12639..12686, 12806..12895,	11836..11892, 11940..12509, 12639..12680, 12927..13046,

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o15.tc	Method	TBLASTX:Cress
Start	12057	End	12262
GI	none	Score	288
Exons	12057..12260, 12059..12262,	12059..12262	

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11

Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o13.tc	Method	TBLASTX:Cress
Start	12263	End	12510
GI	none	Score	313
Exons	12263..12496, 12264..12509, 12415..12510		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o14.tm	Method	TBLASTX:Maize
Start	12954	End	13195
GI	none	Score	62
Exons	12954..12998, 12955..12999, 12957..12998, 13000..13194, 13001..13195, 13003..13194		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o2.tc	Method	TBLASTX:Cress
Start	13132	End	15561
GI	none	Score	67
Exons	13132..13185, 13132..13185, 13229..13303, 13237..13308, 13238..13306, 13344..14006, 13361..14008, 13362..14000, 13517..14011, 14841..14867, 14938..15180, 14947..14973, 14951..15181, 14951..15181, 15013..15186, 15180..15218, 15193..15219, 15220..15423, 15226..15423, 15230..15427, 15459..15557, 15465..15557, 15488..15559, 15544..15561		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o2.ts	Method	TBLASTX:Soybean
Start	13269	End	14515
GI	none	Score	47
Exons	13269..13304, 13276..13305, 13334..14050, 13335..14000, 13517..14038, 14027..14089, 14030..14089, 14046..14090, 14375..14407, 14417..14467, 14471..14515		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o8.tm	Method	TBLASTX:Maize
Start	13361	End	14005
GI	none	Score	570
Exons	13361..14005, 13362..13943, 13535..14002		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o7.tm	Method	TBLASTX:Maize
Start	14645	End	15408
GI	none	Score	43
Exons	14645..14683, 14647..14682, 14676..14807, 14677..14718, 14691..14792, 14764..14796, 14796..14846, 14797..14847, 14798..14848, 14798..14848, 14835..14906, 14836..14907, 14836..14865, 14840..14917, 14841..14906, 14886..14996,		

14895..15257, 14897..15184, 14902..15408, 15013..15408

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o9.ts	Method	TBLASTX:Soybean
Start	14815	End	15491
GI	none	Score	75
Exons	14815..14865, 14816..14866, 14816..14866, 14938..15174, 14947..14973, 14951..15181, 14951..15181, 15013..15186, 15179..15238, 15189..15227, 15244..15312, 15274..15432, 15275..15454, 15465..15491		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o13.tw	Method	TBLASTX:Wheat
Start	15077	End	15326
GI	none	Score	73
Exons	15077..15157, 15088..15156, 15089..15157, 15090..15158, 15157..15324, 15159..15326, 15161..15325		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o12.ts	Method	TBLASTX:Soybean
Start	17543	End	17769
GI	none	Score	347
Exons	17543..17767, 17545..17769, 17545..17769		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o8.ts	Method	TBLASTX:Soybean
Start	17770	End	18222
GI	none	Score	448
Exons	17770..18087, 17770..18087, 17774..18088, 18075..18152, 18075..18149, 18092..18151, 18105..18221, 18107..18220, 18136..18222		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o10.tm	Method	TBLASTX:Maize
Start	18305	End	18660
GI	none	Score	564
Exons	18305..18622, 18306..18659, 18308..18658, 18352..18660		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o5.ts	Method	TBLASTX:Soybean
Start	18335	End	19059
GI	none	Score	59
Exons	18335..18382, 18338..18379, 18378..18608, 18382..18627, 18383..18622, 18633..18941, 18634..18879, 18680..18880, 18896..18940, 18932..19054, 18934..19059, 18934..19059		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o6.tc	Method	TBLASTX:Cress
Start	18347	End	18869
GI	none	Score	47
Exons	18347..18382, 18350..18379, 18378..18608, 18382..18627, 18383..18610, 18384..18635, 18632..18754, 18633..18746, 18634..18768, 18634..18768, 18746..18772, 18762..18869, 18764..18856		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o10.gp	Method	AAT/GAP
Start	18572	End	20541
GI	183_5.R1084	Score	2766
Exons	18572..18956, 19497..20541		
GI Descrip.	'133999/sp|P05424|RR7_ORYSA 1.0e-48 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir__R3RZ7 ribosomal protein S7 - rice chloroplast >gi_12037_emb_CAA33942_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_12065_emb_CAA33919_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_226657_prf__1603356CH ribosomal protein S7 [Oryza sativa]'		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o1.tm	Method	TBLASTX:Maize
Start	18661	End	20539
GI	none	Score	756
Exons	18661..19131, 18661..20070, 18662..20098, 18680..20092, 19626..20099, 20007..20108, 20154..20237, 20155..20238, 20176..20238, 20180..20239, 20232..20531, 20234..20539, 20237..20539		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o12.tw	Method	TBLASTX:Wheat
Start	18736	End	18955
GI	none	Score	99
Exons	18736..18846, 18739..18819, 18740..18823, 18803..18934, 18805..18918, 18922..18954, 18923..18955		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o17.tc	Method	TBLASTX:Cress
Start	18916	End	19076
GI	none	Score	194
Exons	18916..19071, 18927..19037, 18934..19071, 18935..19075, 18936..19076		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-

Start	18572	End	21761
Name	OJ000103_09.0426.C11.o10.ts	Method	TBLASTX:Soybean
Start	19061	End	19463
GI	none	Score	178
Exons	19061..19183, 19062..19184, 19196..19309, 19196..19309, 19279..19461, 19308..19463, 19310..19462		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o4.tw	Method	TBLASTX:Wheat
Start	19331	End	19741
GI	none	Score	42
Exons	19331..19390, 19382..19741, 19397..19738		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o4.tc	Method	TBLASTX:Cress
Start	19350	End	20099
GI	none	Score	365
Exons	19350..19571, 19351..19872, 19352..19828, 19352..19873, 19823..19939, 19827..19940, 19828..19854, 19831..19947, 19832..19948, 19884..19952, 19916..19990, 19921..20022, 19954..20001, 19991..20065, 20007..20075, 20017..20061, 20051..20092, 20057..20098, 20079..20099		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o11.ts	Method	TBLASTX:Soybean
Start	19621	End	20734
GI	none	Score	308
Exons	19621..19821, 19622..19828, 19622..19822, 19805..19927, 19837..19932, 19838..19927, 19884..19934, 19891..19938, 19954..19989, 19958..19990, 19990..20031, 19997..20032, 20020..20082, 20155..20220, 20157..20222, 20215..20241, 20216..20242, 20249..20353, 20276..20353, 20361..20453, 20380..20436, 20468..20506, 20567..20725, 20568..20723, 20569..20733, 20594..20734		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o18.tc	Method	TBLASTX:Cress
Start	20159	End	20380
GI	none	Score	40
Exons	20159..20194, 20184..20225, 20196..20228, 20218..20355, 20219..20362, 20220..20351, 20221..20352, 20357..20380		

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o3.tc	Method	TBLASTX:Cress
Start	20381	End	21761
GI	none	Score	110
Exons	20381..20476, 20381..20467, 20474..20500, 20474..20500,		

20476..20505, 20567..20713, 20574..20705, 20608..20706,
20670..20741, 20760..20837, 20761..20841, 20761..20841,
20762..20842, 20834..20905, 20837..20905, 20838..20906,
20861..20968, 20875..20943, 20907..20969, 20965..21096,
20985..21101, 20987..21094, 20991..21149, 21041..21148,
21109..21153, 21167..21214, 21168..21344, 21169..21351,
21252..21353, 21254..21352, 21378..21437, 21380..21439,
21391..21444, 21446..21562, 21447..21530, 21448..21564,
21532..21657, 21541..21648, 21560..21655, 21570..21662,
21656..21682, 21656..21682, 21660..21695, 21684..21761,
21686..21760

Seq. No.	57007	Seq. ID	OJ000103_09.0426.C11
Gene No.	119359	Strand	-
Start	18572	End	21761
Name	OJ000103_09.0426.C11.o11.tw	Method	TBLASTX:Wheat
Start	21466	End	21761
GI	none	Score	76

Exons 21466..21561, 21466..21543, 21532..21603, 21541..21603,
21560..21604, 21573..21614, 21577..21663, 21599..21664,
21650..21727, 21667..21723, 21668..21724, 21726..21761,
21728..21760

Seq. No.	57008	Seq. ID	OJ000103_09.0426.C12
Gene No.	119360	Strand	+
Start	334	End	803
Name	OJ000103_09.0426.C12.o1.gp	Method	AAT/GAP
Start	334	End	803
GI	uC-osflcyp097b05b1	Score	907
Exons	334..803		

GI Descrip. '140503/sp|P12173|YCTI_ORYSA 3.0e-39 HYPOTHETICAL 14 KD PROTEIN
IN TRNI INTRON (ORF 133) >gi_82518_pir__JQ0279 hypothetical
14.5K protein (trnI intron) - rice chloroplast
>gi_12041_emb_CAA33945_ (X15901) ORF133; ORF within trnI intron
[Oryza sativa] >gi_12061_emb_CAA33915_ (X15901) ORF133; ORF
within trnI intron [Oryza sativa] >gi_226660_prf__1603356CL trnI
intron ORF 133 [Oryza'

Seq. No.	57008	Seq. ID	OJ000103_09.0426.C12
Gene No.	119361	Strand	-
Start	1449	End	1577
Name	OJ000103_09.0426.C12.o3.ts	Method	TBLASTX:Soybean
Start	1	End	338
GI	none	Score	34

Exons 1..21, 13..114, 21..116, 22..114, 104..169, 107..169, 120..173,
253..288, 254..286, 291..338, 292..336, 300..338

Seq. No.	57008	Seq. ID	OJ000103_09.0426.C12
Gene No.	119361	Strand	-
Start	1449	End	1577
Name	OJ000103_09.0426.C12.o2.tc	Method	TBLASTX:Cress
Start	21	End	371
GI	none	Score	129

Exons 21..116, 23..115, 104..190, 120..191, 189..371, 210..275,
245..286, 286..369, 300..371

Seq. No.	57008	Seq. ID	OJ000103_09.0426.C12

Gene No.	119361	Strand	-
Start	1449	End	1577
Name	OJ000103_09.0426.C12.o1.tm	Method	TBLASTX:Maize
Start	24	End	537
GI	none	Score	301
Exons	24..215, 24..215, 25..216, 224..286, 225..290, 225..287, 236..535, 237..536, 265..537, 265..537		

Seq. No.	57008	Seq. ID	OJ000103_09.0426.C12
Gene No.	119361	Strand	-
Start	1449	End	1577
Name	OJ000103_09.0426.C12.o2.ts	Method	TBLASTX:Soybean
Start	749	End	993
GI	none	Score	199
Exons	749..880, 749..886, 870..920, 870..926, 871..924, 933..992, 933..992, 934..993, 934..993		

Seq. No.	57008	Seq. ID	OJ000103_09.0426.C12
Gene No.	119361	Strand	-
Start	1449	End	1577
Name	OJ000103_09.0426.C12.o1.tc	Method	TBLASTX:Cress
Start	1012	End	1569
GI	none	Score	80
Exons	1012..1041, 1040..1129, 1042..1131, 1043..1132, 1076..1399, 1107..1439, 1128..1397, 1133..1399, 1388..1567, 1396..1569, 1422..1568		

Seq. No.	57008	Seq. ID	OJ000103_09.0426.C12
Gene No.	119361	Strand	-
Start	1449	End	1577
Name	OJ000103_09.0426.C12.o1.ts	Method	TBLASTX:Soybean
Start	1332	End	1577
GI	none	Score	324
Exons	1332..1574, 1333..1575, 1334..1576, 1335..1577		

Seq. No.	57008	Seq. ID	OJ000103_09.0426.C12
Gene No.	119361	Strand	-
Start	1449	End	1577
Name	OJ000103_09.0426.C12.o2.gp	Method	AAT/GAP
Start	1449	End	1577
GI	688_1.R1084	Score	242
Exons	1449..1577		
GI Descrip.	'226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119362	Strand	+
Start	1	End	389
Name	OJ000103_09.0426.C13.o1.gp	Method	AAT/GAP
Start	1	End	389
GI	183_1.R1084	Score	740
Exons	1..389		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza		

sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119363	Strand	+
Start	4630	End	5087
Name	OJ000103_09.0426.C13.o3.gp	Method	AAT/GAP
Start	4630	End	5087
GI	2231_2.R1084	Score	844
Exons	4630..5087		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome'		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119364	Strand	+
Start	5183	End	6071
Name	OJ000103_09.0426.C13.o4.gp	Method	AAT/GAP
Start	5183	End	6071
GI	7587_1.R1084	Score	1675
Exons	5183..6071		
GI Descrip.	'131283/sp|P12158|PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir__F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119365	Strand	+
Start	7243	End	7420
Name	OJ000103_09.0426.C13.o6.gp	Method	AAT/GAP
Start	7243	End	7420
GI	306_9.R1084	Score	219
Exons	7243..7420		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119366	Strand	+
Start	11157	End	11268
Name	OJ000103_09.0426.C13.o7.gp	Method	AAT/GAP
Start	11157	End	11268
GI	1036999	Score	198
Exons	11157..11268		
GI Descrip.	11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119367	Strand	+
Start	11342	End	11487
Name	OJ000103_09.0426.C13.o8.gp	Method	AAT/GAP
Start	11342	End	11487
GI	LIB3432-021-P1-K1-A3	Score	214
Exons	11342..11487		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-52 Rice complete chloroplast genome'		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119368	Strand	-

Start	503	End	952
Name	OJ000103_09.0426.C13.o2.gp	Method	AAT/GAP
Start	503	End	952
GI	uC-osflcyp086a01b1	Score	889
Exons	503..952		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-135 Rice complete chloroplast genome'		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o3.ts	Method	TBLASTX:Soybean
Start	1	End	379
GI	none	Score	293
Exons	1..213, 2..166, 6..212, 211..375, 222..365, 224..379, 238..372		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o6.tm	Method	TBLASTX:Maize
Start	1	End	379
GI	none	Score	606
Exons	1..378, 1..36, 2..166, 3..365, 88..378, 224..379		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o4.tc	Method	TBLASTX:Cress
Start	1	End	379
GI	none	Score	104
Exons	1..84, 2..82, 6..83, 74..100, 78..212, 92..214, 98..166, 100..213, 211..375, 222..365, 236..379, 236..373		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o9.tm	Method	TBLASTX:Maize
Start	1472	End	2037
GI	none	Score	208
Exons	1472..1606, 1479..1607, 1479..1607, 1480..1608, 1782..1931, 1782..1931, 1784..1936, 1935..2000, 1936..1998, 1937..1999, 1938..2000, 1986..2036, 1986..2036, 2002..2037		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o1.tc	Method	TBLASTX:Cress
Start	1608	End	5924
GI	none	Score	78
Exons	1608..1781, 4483..5319, 4483..4770, 4487..4978, 4825..5421, 4829..5413, 5027..5923, 5034..5924		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o1.tm	Method	TBLASTX:Maize
Start	1608	End	5497

GI	none	Score	77
Exons	1608..1781, 5011..5418, 5012..5407, 5027..5497, 5034..5495		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o1.ts	Method	TBLASTX:Soybean
Start	1608	End	5957
GI	none	Score	76
Exons	1608..1781, 4463..5407, 4463..4978, 4812..4979, 4825..5421, 5027..5920, 5034..5957		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o1.tw	Method	TBLASTX:Wheat
Start	1608	End	5658
GI	none	Score	75
Exons	1608..1781, 5027..5413, 5027..5560, 5028..5561, 5034..5561, 5461..5565, 5467..5580, 5480..5581, 5524..5658, 5541..5657, 5560..5658		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o5.ts	Method	TBLASTX:Soybean
Start	1782	End	2519
GI	none	Score	154
Exons	1782..1901, 1784..1885, 2253..2381, 2254..2379, 2255..2383, 2424..2519		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o13.tm	Method	TBLASTX:Maize
Start	2037	End	2246
GI	none	Score	90
Exons	2037..2105, 2038..2109, 2098..2154, 2108..2173, 2109..2165, 2134..2244, 2139..2246, 2147..2245, 2148..2246		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o6.tc	Method	TBLASTX:Cress
Start	2239	End	2519
GI	none	Score	215
Exons	2239..2382, 2252..2395, 2252..2395, 2492..2518, 2493..2519, 2493..2519		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o8.tm	Method	TBLASTX:Maize
Start	2591	End	3019
GI	none	Score	95
Exons	2591..2656, 2592..2657, 2593..2658, 2642..2701, 2643..2699, 2647..2721, 2648..2752, 2727..2756, 2757..2873, 2758..2895,		

2775..2897, 2853..2915, 2853..2915, 2854..2916, 2922..3017, 2924..3019, 2924..3019

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o5.tw	Method	TBLASTX:Wheat
Start	2696	End	3177
GI	none	Score	57
Exons	2696..2755, 2727..2756, 2745..2837, 2750..2836, 2758..2838, 2758..2841, 2812..2883, 2830..2871, 2832..2921, 2832..2882, 2841..2915, 2857..2928, 2920..3045, 2922..3035, 3014..3175, 3032..3172, 3039..3176, 3061..3177		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o15.tm	Method	TBLASTX:Maize
Start	3021	End	3207
GI	none	Score	181
Exons	3021..3158, 3032..3157, 3032..3160, 3166..3207		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o6.tw	Method	TBLASTX:Wheat
Start	3225	End	3556
GI	none	Score	60
Exons	3225..3281, 3235..3282, 3239..3283, 3240..3284, 3271..3297, 3276..3311, 3282..3404, 3283..3408, 3284..3409, 3407..3424, 3436..3552, 3440..3556, 3440..3556		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o2.ts	Method	TBLASTX:Soybean
Start	3434	End	4255
GI	none	Score	1363
Exons	3434..4255, 3448..4254		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o2.tc	Method	TBLASTX:Cress
Start	3496	End	3868
GI	none	Score	660
Exons	3496..3867, 3497..3868		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o4.tm	Method	TBLASTX:Maize
Start	3803	End	4230
GI	none	Score	671
Exons	3803..4228, 3808..4230, 3809..4228		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13

Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o3.tc	Method	TBLASTX:Cress
Start	3952	End	4281
GI	none	Score	521
Exons	3952..4281, 3956..4279		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o2.tw	Method	TBLASTX:Wheat
Start	4022	End	4465
GI	none	Score	43
Exons	4022..4057, 4043..4465, 4049..4465		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o2.tm	Method	TBLASTX:Maize
Start	4526	End	4975
GI	none	Score	754
Exons	4526..4975, 4527..4973		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o3.tw	Method	TBLASTX:Wheat
Start	4628	End	5026
GI	none	Score	576
Exons	4628..4978, 4629..4979, 4825..5025, 4829..5026		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o3.tm	Method	TBLASTX:Maize
Start	5498	End	5960
GI	none	Score	668
Exons	5498..5917, 5498..5932, 5499..5933, 5928..5960, 5929..5958		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o4.tw	Method	TBLASTX:Wheat
Start	5659	End	6023
GI	none	Score	394
Exons	5659..5958, 5659..5958, 5661..5960, 5929..6012, 5951..6022, 5952..6023		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o7.tm	Method	TBLASTX:Maize
Start	6197	End	6817
GI	none	Score	77
Exons	6197..6286, 6197..6244, 6198..6245, 6257..6295, 6389..6487, 6403..6489, 6404..6487, 6408..6506, 6444..6758, 6454..6759, 6490..6762, 6773..6817, 6778..6816		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o5.tc	Method	TBLASTX:Cress
Start	6198	End	6732
GI	none	Score	45
Exons	6198..6236, 6277..6345, 6308..6340, 6378..6458, 6411..6440, 6503..6727, 6508..6732, 6508..6720, 6509..6721, 6516..6731		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o5.gp	Method	AAT/GAP
Start	6394	End	6852
GI	45273_1.R1084	Score	850
Exons	6394..6852		
GI Descrip.	'1022811 4.0e-21 (U37703) ORF 62 [Hordeum vulgare]'		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119369	Strand	-
Start	6394	End	6852
Name	OJ000103_09.0426.C13.o4.ts	Method	TBLASTX:Soybean
Start	6409	End	6732
GI	none	Score	44
Exons	6409..6456, 6500..6724, 6508..6732, 6508..6720		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119370	Strand	
Start	7230	End	7593
Name	OJ000103_09.0426.C13.o14.tm	Method	TBLASTX:Maize
Start	7230	End	7593
GI	none	Score	44
Exons	7230..7256, 7376..7453, 7380..7535, 7381..7539, 7534..7593		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119371	Strand	
Start	8067	End	8339
Name	OJ000103_09.0426.C13.o10.tm	Method	TBLASTX:Maize
Start	8067	End	8339
GI	none	Score	86
Exons	8067..8135, 8068..8157, 8117..8221, 8125..8262, 8125..8265, 8127..8306, 8254..8337, 8255..8338, 8256..8339		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119372	Strand	
Start	9272	End	9475
Name	OJ000103_09.0426.C13.o12.tm	Method	TBLASTX:Maize
Start	9272	End	9475
GI	none	Score	106
Exons	9272..9346, 9274..9345, 9332..9475, 9340..9465		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119373	Strand	
Start	10330	End	10602
Name	OJ000103_09.0426.C13.o8.tc	Method	TBLASTX:Cress
Start	10330	End	10467

GI	none	Score	184
Exons	10330..10467, 10330..10467		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119373	Strand	
Start	10330	End	10602
Name	OJ000103_09.0426.C13.o11.tm	Method	TBLASTX:Maize
Start	10336	End	10602
GI	none	Score	243
Exons	10336..10500, 10336..10518, 10337..10519, 10359..10526, 10564..10602		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119374	Strand	
Start	11102	End	12049
Name	OJ000103_09.0426.C13.o7.ts	Method	TBLASTX:Soybean
Start	11102	End	11399
GI	none	Score	60
Exons	11102..11209, 11231..11260, 11271..11399, 11277..11387		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119374	Strand	
Start	11102	End	12049
Name	OJ000103_09.0426.C13.o7.tc	Method	TBLASTX:Cress
Start	11115	End	11441
GI	none	Score	41
Exons	11115..11165, 11118..11165, 11163..11234, 11231..11278, 11268..11414, 11270..11389, 11280..11441		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119374	Strand	
Start	11102	End	12049
Name	OJ000103_09.0426.C13.o5.tm	Method	TBLASTX:Maize
Start	11192	End	11763
GI	none	Score	79
Exons	11192..11233, 11193..11234, 11193..11234, 11208..11279, 11227..11274, 11264..11440, 11268..11441, 11272..11448, 11417..11512, 11419..11532, 11436..11645, 11490..11579, 11491..11646, 11638..11682, 11640..11684, 11641..11685, 11668..11757, 11674..11763		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119374	Strand	
Start	11102	End	12049
Name	OJ000103_09.0426.C13.o8.tw	Method	TBLASTX:Wheat
Start	11231	End	11429
GI	none	Score	50
Exons	11231..11278, 11232..11279, 11268..11429, 11270..11389, 11280..11423		

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119374	Strand	
Start	11102	End	12049
Name	OJ000103_09.0426.C13.o7.tw	Method	TBLASTX:Wheat
Start	11477	End	12049
GI	none	Score	38
Exons	11477..11497, 11479..11496, 11490..11546, 11492..11545,		

11498..11548, 11545..11568, 11546..11566, 11569..11649, 11581..11712, 11620..11700, 11662..11703, 11796..11882, 11804..11899, 11804..11881, 11809..11886, 11864..11932, 11877..11918, 11879..11920, 12000..12041, 12002..12049

Seq. No.	57009	Seq. ID	OJ000103_09.0426.C13
Gene No.	119375	Strand	
Start	12121	End	12258
Name	OJ000103_09.0426.C13.o6.ts	Method	TBLASTX:Soybean
Start	12121	End	12258
GI	none	Score	128
Exons	12121..12249, 12136..12258		

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14
Gene No.	119376	Strand	-
Start	642	End	772
Name	OJ000103_09.0426.C14.o1.gp	Method	AAT/GAP
Start	642	End	772
GI	5607624	Score	215
Exons	642..772		
GI Descrip.	287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene		

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14
Gene No.	119377	Strand	
Start	694	End	1351
Name	OJ000103_09.0426.C14.o5.tc	Method	TBLASTX:Cress
Start	694	End	1264
GI	none	Score	38
Exons	694..729, 699..728, 746..820, 747..821, 871..1143, 879..1145, 879..1142, 881..1144, 1146..1262, 1147..1257, 1157..1264, 1157..1264		

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14
Gene No.	119377	Strand	
Start	694	End	1351
Name	OJ000103_09.0426.C14.o5.ts	Method	TBLASTX:Soybean
Start	738	End	1144
GI	none	Score	51
Exons	738..812, 741..845, 758..832, 760..855, 849..1142, 851..1144, 880..1143		

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14
Gene No.	119377	Strand	
Start	694	End	1351
Name	OJ000103_09.0426.C14.o1.tm	Method	TBLASTX:Maize
Start	759	End	1157
GI	none	Score	542
Exons	759..1157, 760..1095, 761..1156		

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14
Gene No.	119377	Strand	
Start	694	End	1351
Name	OJ000103_09.0426.C14.o2.tm	Method	TBLASTX:Maize
Start	1158	End	1351
GI	none	Score	304
Exons	1158..1343, 1158..1349, 1160..1348, 1160..1351		

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14
Gene No.	119378	Strand	
Start	1344	End	2340
Name	OJ000103_09.0426.C14.o3.tc	Method	TBLASTX:Cress
Start	1344	End	1705
GI	none	Score	483
Exons	1344..1703, 1346..1705, 1346..1660, 1360..1704		

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14
Gene No.	119378	Strand	
Start	1344	End	2340
Name	OJ000103_09.0426.C14.o2.ts	Method	TBLASTX:Soybean
Start	1386	End	2216
GI	none	Score	568
Exons	1386..1790, 1390..1791, 1528..1791, 1650..1796, 1791..1940, 1792..1947, 1814..1957, 1961..2215, 1973..2215, 1986..2216		

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14
Gene No.	119378	Strand	
Start	1344	End	2340
Name	OJ000103_09.0426.C14.o6.tc	Method	TBLASTX:Cress
Start	1706	End	2072
GI	none	Score	88
Exons	1706..1786, 1706..1753, 1713..1790, 1713..1796, 1714..1830, 1770..1952, 1791..1940, 1795..1953, 1796..1957, 1814..1957, 1961..2068, 1961..2068, 1986..2072, 2014..2070		

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14
Gene No.	119378	Strand	
Start	1344	End	2340
Name	OJ000103_09.0426.C14.o10.tc	Method	TBLASTX:Cress
Start	2093	End	2340
GI	none	Score	49
Exons	2093..2143, 2103..2144, 2115..2150, 2145..2234, 2145..2186, 2146..2238, 2147..2224, 2235..2267, 2237..2263, 2266..2340, 2298..2339		

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14
Gene No.	119379	Strand	
Start	2314	End	2858
Name	OJ000103_09.0426.C14.o3.ts	Method	TBLASTX:Soybean
Start	2314	End	2858
GI	none	Score	227
Exons	2314..2493, 2322..2474, 2324..2494, 2337..2504, 2456..2638, 2471..2638, 2475..2660, 2631..2669, 2680..2817, 2684..2836, 2684..2818, 2685..2858, 2691..2855		

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14
Gene No.	119379	Strand	
Start	2314	End	2858
Name	OJ000103_09.0426.C14.o7.tc	Method	TBLASTX:Cress
Start	2405	End	2600
GI	none	Score	175
Exons	2405..2599, 2405..2599, 2406..2600		

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14

Gene No.	119380	Strand	
Start	3058	End	3863
Name	OJ000103_09.0426.C14.o4.ts	Method	TBLASTX:Soybean
Start	3058	End	3473
GI	none	Score	105
Exons	3058..3285, 3063..3287, 3064..3282, 3065..3283, 3302..3430, 3302..3436, 3306..3440, 3307..3450, 3437..3472, 3438..3473		

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14
Gene No.	119380	Strand	
Start	3058	End	3863
Name	OJ000103_09.0426.C14.o3.tm	Method	TBLASTX:Maize
Start	3251	End	3854
GI	none	Score	153
Exons	3251..3490, 3306..3593, 3663..3854		

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14
Gene No.	119380	Strand	
Start	3058	End	3863
Name	OJ000103_09.0426.C14.o8.tc	Method	TBLASTX:Cress
Start	3306	End	3863
GI	none	Score	155
Exons	3306..3593, 3344..3490, 3663..3863, 3755..3862		

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14
Gene No.	119381	Strand	
Start	3776	End	4592
Name	OJ000103_09.0426.C14.o1.ts	Method	TBLASTX:Soybean
Start	3776	End	4592
GI	none	Score	437
Exons	3776..3988, 3777..4109, 3849..4136, 3964..4137, 4118..4237, 4135..4497, 4137..4592, 4138..4587, 4178..4591		

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14
Gene No.	119381	Strand	
Start	3776	End	4592
Name	OJ000103_09.0426.C14.o4.tc	Method	TBLASTX:Cress
Start	3876	End	4276
GI	none	Score	323
Exons	3876..4115, 3882..4115, 3973..4137, 4144..4275, 4146..4274, 4148..4276		

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14
Gene No.	119382	Strand	
Start	4570	End	5363
Name	OJ000103_09.0426.C14.o9.tc	Method	TBLASTX:Cress
Start	4570	End	4851
GI	none	Score	270
Exons	4570..4851, 4578..4796		

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14
Gene No.	119382	Strand	
Start	4570	End	5363
Name	OJ000103_09.0426.C14.o6.ts	Method	TBLASTX:Soybean
Start	4677	End	5130
GI	none	Score	43
Exons	4677..4736, 4708..4737, 4738..4863, 4738..4812, 4834..4938,		

4851..5090, 4860..5045, 4873..5085, 5086..5130, 5089..5127

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14
Gene No.	119382	Strand	
Start	4570	End	5363
Name	OJ000103_09.0426.C14.o2.tc	Method	TBLASTX:Cress
Start	4940	End	5363
GI	none	Score	52
Exons	4940..4987, 4941..5045, 4957..5361, 4996..5361, 5094..5363		

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14
Gene No.	119383	Strand	
Start	5373	End	5814
Name	OJ000103_09.0426.C14.o1.tc	Method	TBLASTX:Cress
Start	5373	End	5814
GI	none	Score	378
Exons	5373..5813, 5373..5813, 5374..5814		

Seq. No.	57010	Seq. ID	OJ000103_09.0426.C14
Gene No.	119383	Strand	
Start	5373	End	5814
Name	OJ000103_09.0426.C14.o7.ts	Method	TBLASTX:Soybean
Start	5647	End	5814
GI	none	Score	218
Exons	5647..5814, 5663..5812, 5682..5813		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119384	Strand	-
Start	1794	End	3457
Name	OJ000103_09.0426.C15.o1.ts	Method	TBLASTX:Soybean
Start	92	End	2852
GI	none	Score	54
Exons	92..139, 96..140, 158..190, 188..895, 189..548, 190..897, 891..1016, 892..1041, 893..1021, 1028..1780, 1041..1781, 1042..1788, 1252..1782, 1785..1841, 1788..1937, 1795..1938, 1796..1999, 1907..2077, 1932..2075, 1948..2076, 2503..2787, 2504..2785, 2577..2852		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119384	Strand	-
Start	1794	End	3457
Name	OJ000103_09.0426.C15.o5.tm	Method	TBLASTX:Maize
Start	92	End	388
GI	none	Score	54
Exons	92..139, 96..140, 158..190, 188..388, 190..387		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119384	Strand	-
Start	1794	End	3457
Name	OJ000103_09.0426.C15.o3.tc	Method	TBLASTX:Cress
Start	283	End	676
GI	none	Score	595
Exons	283..675, 284..676		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119384	Strand	-
Start	1794	End	3457

Name	OJ000103_09.0426.C15.o2.tw	Method	TBLASTX:Wheat
Start	976	End	1420
GI	none	Score	634
Exons	976..1419, 977..1420, 977..1420		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119384	Strand	-
Start	1794	End	3457
Name	OJ000103_09.0426.C15.o4.tc	Method	TBLASTX:Cress
Start	1121	End	1537
GI	none	Score	387
Exons	1121..1531, 1122..1532, 1122..1535, 1127..1537, 1252..1536		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119384	Strand	-
Start	1794	End	3457
Name	OJ000103_09.0426.C15.o6.tc	Method	TBLASTX:Cress
Start	1551	End	2067
GI	none	Score	225
Exons	1551..1760, 1552..1770, 1553..1789, 1553..1774, 1811..2065, 1876..2058, 1921..2067		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119384	Strand	-
Start	1794	End	3457
Name	OJ000103_09.0426.C15.o1.gp	Method	AAT/GAP
Start	1794	End	1879
GI	LIB3432-013-P1-K1-E3	Score	133
Exons	1794..1879		
GI Descrip.	'133446/sp|P12093|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119384	Strand	-
Start	1794	End	3457
Name	OJ000103_09.0426.C15.o6.tm	Method	TBLASTX:Maize
Start	2047	End	2408
GI	none	Score	138
Exons	2047..2169, 2054..2194, 2056..2169, 2063..2170, 2063..2173, 2066..2140, 2066..2140, 2090..2200, 2094..2192, 2098..2145, 2099..2194, 2099..2200, 2103..2204, 2111..2152, 2129..2203, 2132..2191, 2136..2222, 2136..2243, 2144..2212, 2157..2243, 2172..2240, 2175..2231, 2178..2231, 2184..2282, 2184..2282, 2184..2231, 2184..2231, 2226..2390, 2226..2390, 2232..2387, 2250..2405, 2253..2387, 2261..2305, 2268..2408, 2268..2291, 2277..2408, 2289..2321, 2295..2360, 2309..2353, 2310..2360, 2312..2389, 2313..2399, 2318..2362, 2346..2408, 2356..2391, 2366..2404, 2369..2407		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119384	Strand	-
Start	1794	End	3457
Name	OJ000103_09.0426.C15.o1.tm	Method	TBLASTX:Maize
Start	2409	End	3220

GI	none	Score	46
Exons	2409..2447, 2442..2807, 2472..2525, 2474..3220, 2474..2806, 2500..3219		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119384	Strand	-
Start	1794	End	3457
Name	OJ000103_09.0426.C15.o7.tc	Method	TBLASTX:Cress
Start	2451	End	2749
GI	none	Score	66
Exons	2451..2558, 2474..2749, 2474..2746, 2503..2748		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119384	Strand	-
Start	1794	End	3457
Name	OJ000103_09.0426.C15.o1.tw	Method	TBLASTX:Wheat
Start	2674	End	3293
GI	none	Score	42
Exons	2674..2745, 2684..2749, 2685..2723, 2687..2746, 2711..2971, 2718..2879, 2873..3292, 2874..3293		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119384	Strand	-
Start	1794	End	3457
Name	OJ000103_09.0426.C15.o5.tc	Method	TBLASTX:Cress
Start	2750	End	3457
GI	none	Score	55
Exons	2750..2785, 2784..2873, 2792..2869, 2861..3127, 2887..3108, 2895..3155, 3121..3225, 3122..3457, 3122..3253, 3311..3448, 3312..3449, 3313..3456		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119385	Strand	
Start	3527	End	5730
Name	OJ000103_09.0426.C15.o1.tc	Method	TBLASTX:Cress
Start	3527	End	4672
GI	none	Score	47
Exons	3527..3583, 3535..3627, 3689..3745, 3692..3736, 3740..3814, 3748..3804, 3826..4551, 3827..4558, 4355..4558, 4479..4577, 4606..4671, 4616..4672		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119385	Strand	
Start	3527	End	5730
Name	OJ000103_09.0426.C15.o2.ts	Method	TBLASTX:Soybean
Start	3662	End	4737
GI	none	Score	143
Exons	3662..3817, 3683..3817, 3826..4203, 3826..4551, 3827..4618, 4487..4615, 4605..4673, 4605..4673, 4606..4677, 4630..4737		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119385	Strand	
Start	3527	End	5730
Name	OJ000103_09.0426.C15.o7.tm	Method	TBLASTX:Maize
Start	3932	End	4069
GI	none	Score	215
Exons	3932..4069, 3932..4069		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119385	Strand	
Start	3527	End	5730
Name	OJ000103_09.0426.C15.o4.tm	Method	TBLASTX:Maize
Start	4258	End	4552
GI	none	Score	67
Exons	4258..4347, 4266..4313, 4294..4551, 4295..4552		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119385	Strand	
Start	3527	End	5730
Name	OJ000103_09.0426.C15.o3.tw	Method	TBLASTX:Wheat
Start	4309	End	4717
GI	none	Score	637
Exons	4309..4716, 4313..4717, 4352..4717		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119385	Strand	
Start	3527	End	5730
Name	OJ000103_09.0426.C15.o2.tm	Method	TBLASTX:Maize
Start	4553	End	5212
GI	none	Score	281
Exons	4553..4726, 4554..4724, 4555..4764, 4555..4725, 4721..4753, 4759..4800, 4765..4800, 4808..4873, 4808..4873, 4859..4942, 4865..4894, 4892..4957, 4897..4956, 4996..5172, 5006..5191, 5009..5191, 5186..5212, 5186..5212		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119385	Strand	
Start	3527	End	5730
Name	OJ000103_09.0426.C15.o2.tc	Method	TBLASTX:Cress
Start	4872	End	5493
GI	none	Score	39
Exons	4872..4892, 4873..4902, 5006..5380, 5008..5382, 5009..5383, 5378..5491, 5380..5493		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119385	Strand	
Start	3527	End	5730
Name	OJ000103_09.0426.C15.o3.ts	Method	TBLASTX:Soybean
Start	4873	End	5730
GI	none	Score	56
Exons	4873..4938, 4874..4939, 5004..5720, 5008..5718, 5009..5722, 5221..5730, 5277..5723		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119385	Strand	
Start	3527	End	5730
Name	OJ000103_09.0426.C15.o3.tm	Method	TBLASTX:Maize
Start	5213	End	5497
GI	none	Score	475
Exons	5213..5497, 5213..5497		

Seq. No.	57011	Seq. ID	OJ000103_09.0426.C15
Gene No.	119386	Strand	
Start	6234	End	6443

Name	OJ000103_09.0426.C15.o4.ts	Method	TBLASTX:Soybean
Start	6234	End	6443
GI	none	Score	321
Exons	6234..6443, 6236..6442		

Seq. No.	57012	Seq. ID	OJ000113_09.0426.C1
Gene No.	119387	Strand	+
Start	1	End	1036
Name	OJ000113_09.0426.C1.o1.np	Method	AAT/NAP
Start	1	End	1036
GI	5902445	Score	1753
Exons	1..1036		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	57012	Seq. ID	OJ000113_09.0426.C1
Gene No.	119387	Strand	+
Start	1	End	1036
Name	OJ000113_09.0426.C1.o1.gs	Method	GENSCAN
Start	2	End	962
GI	none	Score	.85
Exons	2..962		

Seq. No.	57012	Seq. ID	OJ000113_09.0426.C1
Gene No.	119387	Strand	+
Start	1	End	1036
Name	OJ000113_09.0426.C1.o1.ts	Method	TBLASTX:Soybean
Start	2	End	388
GI	none	Score	308
Exons	2..388, 4..147, 184..354		

Seq. No.	57012	Seq. ID	OJ000113_09.0426.C1
Gene No.	119387	Strand	+
Start	1	End	1036
Name	OJ000113_09.0426.C1.o3.tw	Method	TBLASTX:Wheat
Start	2	End	157
GI	none	Score	209
Exons	2..157, 7..156		

Seq. No.	57012	Seq. ID	OJ000113_09.0426.C1
Gene No.	119387	Strand	+
Start	1	End	1036
Name	OJ000113_09.0426.C1.o1.tm	Method	TBLASTX:Maize
Start	55	End	499
GI	none	Score	272
Exons	55..309, 56..310, 80..310, 331..462, 332..463, 473..499		

Seq. No.	57012	Seq. ID	OJ000113_09.0426.C1
Gene No.	119387	Strand	+
Start	1	End	1036
Name	OJ000113_09.0426.C1.o1.tw	Method	TBLASTX:Wheat
Start	157	End	586
GI	none	Score	415
Exons	157..429, 158..586		

Seq. No.	57012	Seq. ID	OJ000113_09.0426.C1
Gene No.	119387	Strand	+
Start	1	End	1036

Name	OJ000113_09.0426.C1.o2.ts	Method	TBLASTX:Soybean
Start	614	End	1002
GI	none	Score	88
Exons	614..718, 622..1002, 758..1000		

Seq. No.	57012	Seq. ID	OJ000113_09.0426.C1
Gene No.	119387	Strand	+
Start	1	End	1036
Name	OJ000113_09.0426.C1.o2.tw	Method	TBLASTX:Wheat
Start	623	End	1036
GI	none	Score	413
Exons	623..1036, 631..1035		

Seq. No.	57012	Seq. ID	OJ000113_09.0426.C1
Gene No.	119387	Strand	+
Start	1	End	1036
Name	OJ000113_09.0426.C1.o2.tm	Method	TBLASTX:Maize
Start	676	End	949
GI	none	Score	126
Exons	676..846, 677..847, 851..949, 883..948		

Seq. No.	57013	Seq. ID	OJ000113_09.0426.C3
Gene No.	119388	Strand	+
Start	1	End	14352
Name	OJ000113_09.0426.C3.o2.np	Method	AAT/NAP
Start	1	End	14352
GI	6016874	Score	77
Exons	1..77, 4665..5039, 13425..13531, 14129..14352		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	57013	Seq. ID	OJ000113_09.0426.C3
Gene No.	119389	Strand	-
Start	2112	End	12987
Name	OJ000113_09.0426.C3.o1.np	Method	AAT/NAP
Start	2112	End	8345
GI	7489681	Score	833
Exons	2112..2317, 2885..3111, 3143..4399, 7731..8345		
GI Descrip.	probable cyst nematode resistance gene - wheat (fragment) gi|2967837|gb|AAC05834.1| (AF052641) cyst nematode resistance gene candidate [Triticum aestivum]		

Seq. No.	57013	Seq. ID	OJ000113_09.0426.C3
Gene No.	119389	Strand	-
Start	2112	End	12987
Name	OJ000113_09.0426.C3.o2.gs	Method	GENSCAN
Start	3630	End	12987
GI	none	Score	.42
Exons	3630..4384, 5736..5998, 6793..6919, 7772..8361, 8719..9827, 12667..12987		

Seq. No.	57013	Seq. ID	OJ000113_09.0426.C3
Gene No.	119390	Strand	-
Start	13232	End	16697
Name	OJ000113_09.0426.C3.o1.tm	Method	TBLASTX:Maize
Start	2816	End	3314

GI	none	Score	79
Exons	2816..2998, 3005..3100, 3147..3314, 3148..3291		

Seq. No.	57013	Seq. ID	OJ000113_09.0426.C3
Gene No.	119390	Strand	-
Start	13232	End	16697
Name	OJ000113_09.0426.C3.o2.tm	Method	TBLASTX:Maize
Start	4017	End	4370
GI	none	Score	134
Exons	4017..4109, 4164..4370		

Seq. No.	57013	Seq. ID	OJ000113_09.0426.C3
Gene No.	119390	Strand	-
Start	13232	End	16697
Name	OJ000113_09.0426.C3.o1.gp	Method	AAT/GAP
Start	13232	End	13868
GI	58108_1.R1084	Score	1189
Exons	13232..13868		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-17 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	57013	Seq. ID	OJ000113_09.0426.C3
Gene No.	119390	Strand	-
Start	13232	End	16697
Name	OJ000113_09.0426.C3.o3.gs	Method	GENSCAN
Start	13442	End	16697
GI	none	Score	.58
Exons	13442..13633, 13966..14026, 14236..14342, 15478..15508, 16507..16697		

Seq. No.	57013	Seq. ID	OJ000113_09.0426.C3
Gene No.	119390	Strand	-
Start	13232	End	16697
Name	OJ000113_09.0426.C3.o2.gp	Method	AAT/GAP
Start	13805	End	14502
GI	none	Score	1190
Exons	13805..14502		

Seq. No.	57014	Seq. ID	OJ000113_09.0426.C5
Gene No.	119391	Strand	+
Start	1	End	3916
Name	OJ000113_09.0426.C5.o2.np	Method	AAT/NAP
Start	1	End	2005
GI	7340860	Score	76
Exons	1..89, 471..574, 1946..2005		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57014	Seq. ID	OJ000113_09.0426.C5
Gene No.	119391	Strand	+
Start	1	End	3916
Name	OJ000113_09.0426.C5.o1.gs	Method	GENSCAN
Start	127	End	601
GI	none	Score	84
Exons	127..255, 491..601		

Seq. No.	57014	Seq. ID	OJ000113_09.0426.C5

Gene No.	119391	Strand	+
Start	1	End	3916
Name	OJ000113_09.0426.C5.o1.np	Method	AAT/NAP
Start	127	End	3916
GI	4680183	Score	226
Exons	127..431, 1120..1301, 3895..3916		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	57014	Seq. ID	OJ000113_09.0426.C5
Gene No.	119391	Strand	+
Start	1	End	3916
Name	OJ000113_09.0426.C5.o2.gs	Method	GENSCAN
Start	1220	End	3679
GI	none	Score	.71
Exons	1220..1222, 1295..1544, 2648..2802, 3309..3463, 3544..3679		

Seq. No.	57014	Seq. ID	OJ000113_09.0426.C5
Gene No.	119391	Strand	+
Start	1	End	3916
Name	OJ000113_09.0426.C5.o3.np	Method	AAT/NAP
Start	1267	End	3760
GI	7485939	Score	555
Exons	1267..1459, 1502..1544, 2648..2802, 3018..3161, 3309..3437, 3548..3760		
GI Descrip.	hypothetical protein F21E10.7 - Arabidopsis thaliana gi|3047080|gb|AAC13593.1| (AF058914) contains similarity to Arabidopsis thaliana DNA-damage-repair/tolerance resistance protein DRT111 (SW:P42698)		

Seq. No.	57014	Seq. ID	OJ000113_09.0426.C5
Gene No.	119392	Strand	-
Start	3044	End	3916
Name	OJ000113_09.0426.C5.o1.tm	Method	TBLASTX:Maize
Start	1387	End	2820
GI	none	Score	192
Exons	1387..1515, 1391..1516, 1516..1554, 1517..1549, 2635..2820, 2647..2817		

Seq. No.	57014	Seq. ID	OJ000113_09.0426.C5
Gene No.	119392	Strand	-
Start	3044	End	3916
Name	OJ000113_09.0426.C5.o2.ts	Method	TBLASTX:Soybean
Start	1390	End	1554
GI	none	Score	230
Exons	1390..1554, 1391..1549		

Seq. No.	57014	Seq. ID	OJ000113_09.0426.C5
Gene No.	119392	Strand	-
Start	3044	End	3916
Name	OJ000113_09.0426.C5.o1.tc	Method	TBLASTX:Cress
Start	1424	End	3161
GI	none	Score	160
Exons	1424..1549, 1426..1554, 2646..2804, 2646..2735, 2647..2805, 2691..2711, 2699..2803, 3015..3161, 3017..3145		

Seq. No.	57014	Seq. ID	OJ000113_09.0426.C5
Gene No.	119392	Strand	-

Start	3044	End	3916
Name	OJ000113_09.0426.C5.o1.ts	Method	TBLASTX:Soybean
Start	2644	End	3161
GI	none	Score	217
Exons	2644..2802, 2646..2735, 2656..2802, 2991..3161, 2996..3160		

Seq. No.	57014	Seq. ID	OJ000113_09.0426.C5
Gene No.	119392	Strand	-
Start	3044	End	3916
Name	OJ000113_09.0426.C5.o2.tm	Method	TBLASTX:Maize
Start	3035	End	3162
GI	none	Score	219
Exons	3035..3160, 3039..3161, 3072..3161, 3073..3162		

Seq. No.	57014	Seq. ID	OJ000113_09.0426.C5
Gene No.	119392	Strand	-
Start	3044	End	3916
Name	OJ000113_09.0426.C5.o4.np	Method	AAT/NAP
Start	3044	End	3916
GI	140473	Score	69
Exons	3044..3115, 3762..3916		
GI Descrip.	ACETYL-COENZYME A CARBOXYLASE CARBOXYL TRANSFERASE SUBUNIT BETA (ACCASE BETA CHAIN) gi|82516|pir||JQ0234 hypothetical 12.5K protein (rbcL-psaI intergenic region) - rice chloroplast gi|11995|emb|CAA33956| (X15901) ORF106 [Oryza sativa] gi|226616|prf||1603356AN ORF 106 [Oryza sativa]		

Seq. No.	57014	Seq. ID	OJ000113_09.0426.C5
Gene No.	119392	Strand	-
Start	3044	End	3916
Name	OJ000113_09.0426.C5.o1.gp	Method	AAT/GAP
Start	3539	End	3684
GI	none	Score	250
Exons	3539..3684		

Seq. No.	57015	Seq. ID	OJ000113_09.0426.C7
Gene No.	119393	Strand	-
Start	1476	End	2041
Name	OJ000113_09.0426.C7.o1.gs	Method	GENSCAN
Start	1476	End	2041
GI	none	Score	.9
Exons	1476..1494, 1821..2041		

Seq. No.	57016	Seq. ID	OJ000113_09.0426.C8
Gene No.	119394	Strand	+
Start	1	End	2915
Name	OJ000113_09.0426.C8.o1.np	Method	AAT/NAP
Start	1	End	2912
GI	6634721	Score	605
Exons	1..109, 195..295, 2270..2912		
GI Descrip.	(AC012463) T2E6.4 [Arabidopsis thaliana]		

Seq. No.	57016	Seq. ID	OJ000113_09.0426.C8
Gene No.	119394	Strand	+
Start	1	End	2915
Name	OJ000113_09.0426.C8.o1.gs	Method	GENSCAN
Start	170	End	2915

GI	none	Score	.81
Exons	170..295, 2270..2628, 2649..2915		

Seq. No.	57016	Seq. ID	OJ000113_09.0426.C8
Gene No.	119394	Strand	+
Start	1	End	2915
Name	OJ000113_09.0426.C8.o1.ts	Method	TBLASTX:Soybean
Start	2277	End	2613
GI	none	Score	180
Exons	2277..2399, 2278..2421, 2476..2613		

Seq. No.	57016	Seq. ID	OJ000113_09.0426.C8
Gene No.	119394	Strand	+
Start	1	End	2915
Name	OJ000113_09.0426.C8.o1.tc	Method	TBLASTX:Cress
Start	2290	End	2906
GI	none	Score	35
Exons	2290..2310, 2314..2415, 2476..2613, 2712..2750, 2820..2906		

Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119395	Strand	+
Start	3011	End	9105
Name	OJ000113_09.0426.C10.o1.gs	Method	GENSCAN
Start	3011	End	9105
GI	none	Score	.57
Exons	3011..5809, 5945..7095, 7167..9105		

Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119395	Strand	+
Start	3011	End	9105
Name	OJ000113_09.0426.C10.o1.np	Method	AAT/NAP
Start	3011	End	9069
GI	5922631	Score	6677
Exons	3011..3135, 3394..3641, 3876..4078, 4124..4695, 4738..4886, 5013..5936, 6543..9069		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119396	Strand	-
Start	9423	End	12364
Name	OJ000113_09.0426.C10.o2.gs	Method	GENSCAN
Start	9423	End	12364
GI	none	Score	.9
Exons	9423..9871, 9944..10048, 10121..10310, 10386..10573, 10693..11024, 11107..11282, 11480..12364		

Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119396	Strand	-
Start	9423	End	12364
Name	OJ000113_09.0426.C10.o2.np	Method	AAT/NAP
Start	9426	End	12364

GI	6691716	Score	2307
Exons	9426..9871, 9944..10056, 10207..10310, 10386..10580, 10757..11024, 11107..11282, 11480..12364		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119397	Strand	-
Start	14873	End	15126
Name	OJ000113_09.0426.C10.o1.gp	Method	AAT/GAP
Start	14873	End	15126
GI	LIB3477-003-P1-K1-E9	Score	88
Exons	14873..14924, 15074..15126		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119398	Strand	-
Start	16096	End	16219
Name	OJ000113_09.0426.C10.o7.tw	Method	TBLASTX:Wheat
Start	4300	End	4702
GI	none	Score	294
Exons	4300..4569, 4301..4702		

Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119398	Strand	-
Start	16096	End	16219
Name	OJ000113_09.0426.C10.o1.tw	Method	TBLASTX:Wheat
Start	5276	End	6073
GI	none	Score	149
Exons	5276..5452, 5339..5452, 5497..5733, 5501..5731, 5780..6073, 5845..6069		

Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119398	Strand	-
Start	16096	End	16219
Name	OJ000113_09.0426.C10.o3.ts	Method	TBLASTX:Soybean
Start	5993	End	6358
GI	none	Score	138
Exons	5993..6217, 6224..6358		

Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119398	Strand	-
Start	16096	End	16219
Name	OJ000113_09.0426.C10.o8.tw	Method	TBLASTX:Wheat
Start	6074	End	6308
GI	none	Score	282
Exons	6074..6307, 6094..6306, 6095..6307, 6144..6308		

Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119398	Strand	-
Start	16096	End	16219
Name	OJ000113_09.0426.C10.o2.tm	Method	TBLASTX:Maize
Start	6083	End	6439
GI	none	Score	375

Exons	6083..6439, 6124..6429, 6146..6439		
Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119398	Strand	-
Start	16096	End	16219
Name	OJ000113_09.0426.C10.o2.tw	Method	TBLASTX:Wheat
Start	6308	End	6727
GI	none	Score	470
Exons	6308..6727, 6310..6726		
Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119398	Strand	-
Start	16096	End	16219
Name	OJ000113_09.0426.C10.o3.tm	Method	TBLASTX:Maize
Start	6467	End	6850
GI	none	Score	335
Exons	6467..6850, 6571..6849		
Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119398	Strand	-
Start	16096	End	16219
Name	OJ000113_09.0426.C10.o1.ts	Method	TBLASTX:Soybean
Start	6602	End	6970
GI	none	Score	309
Exons	6602..6970, 6619..6762, 6635..6805, 6799..6969		
Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119398	Strand	-
Start	16096	End	16219
Name	OJ000113_09.0426.C10.o6.tw	Method	TBLASTX:Wheat
Start	6775	End	7168
GI	none	Score	345
Exons	6775..7167, 6776..7168		
Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119398	Strand	-
Start	16096	End	16219
Name	OJ000113_09.0426.C10.o2.ts	Method	TBLASTX:Soybean
Start	7228	End	7616
GI	none	Score	86
Exons	7228..7332, 7236..7616, 7372..7614		
Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119398	Strand	-
Start	16096	End	16219
Name	OJ000113_09.0426.C10.o4.tw	Method	TBLASTX:Wheat
Start	7237	End	7659
GI	none	Score	414
Exons	7237..7659, 7240..7395, 7242..7649		
Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119398	Strand	-
Start	16096	End	16219
Name	OJ000113_09.0426.C10.o5.tm	Method	TBLASTX:Maize
Start	7489	End	7743
GI	none	Score	193
Exons	7489..7743		

Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119398	Strand	-
Start	16096	End	16219
Name	OJ000113_09.0426.C10.o10.tw	Method	TBLASTX:Wheat
Start	7675	End	7974
GI	none	Score	135
Exons	7675..7809, 7834..7974		

Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119398	Strand	-
Start	16096	End	16219
Name	OJ000113_09.0426.C10.o1.tm	Method	TBLASTX:Maize
Start	7971	End	8334
GI	none	Score	450
Exons	7971..8282, 7972..8295, 7980..8306, 8286..8333, 8287..8334		

Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119398	Strand	-
Start	16096	End	16219
Name	OJ000113_09.0426.C10.o3.tw	Method	TBLASTX:Wheat
Start	7977	End	8364
GI	none	Score	417
Exons	7977..8288, 7978..8364, 8179..8364		

Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119398	Strand	-
Start	16096	End	16219
Name	OJ000113_09.0426.C10.o6.tm	Method	TBLASTX:Maize
Start	8436	End	8709
GI	none	Score	95
Exons	8436..8534, 8437..8535, 8526..8600, 8530..8613, 8623..8709		

Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119398	Strand	-
Start	16096	End	16219
Name	OJ000113_09.0426.C10.o5.tw	Method	TBLASTX:Wheat
Start	8479	End	9093
GI	none	Score	273
Exons	8479..8757, 8499..8588, 8640..8741, 8812..8970, 8956..9093, 8967..9089		

Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119398	Strand	-
Start	16096	End	16219
Name	OJ000113_09.0426.C10.o4.tm	Method	TBLASTX:Maize
Start	8821	End	9054
GI	none	Score	152
Exons	8821..8973, 8922..8972, 8952..9053, 8953..9054		

Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119398	Strand	-
Start	16096	End	16219
Name	OJ000113_09.0426.C10.o9.tw	Method	TBLASTX:Wheat
Start	11954	End	12244
GI	none	Score	211
Exons	11954..12244		

Seq. No.	57017	Seq. ID	OJ000113_09.0426.C10
Gene No.	119398	Strand	-
Start	16096	End	16219
Name	OJ000113_09.0426.C10.o3.np	Method	AAT/NAP
Start	16096	End	16219
GI	6815099	Score	81
Exons	16096..16219		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	57018	Seq. ID	OJ000113_09.0426.C11
Gene No.	119399	Strand	+
Start	1724	End	2806
Name	OJ000113_09.0426.C11.o1.gs	Method	GENSCAN
Start	1724	End	2806
GI	none	Score	.91
Exons	1724..1741, 2666..2806		

Seq. No.	57019	Seq. ID	OJ000113_09.0426.C12
Gene No.	119400	Strand	+
Start	269	End	3213
Name	OJ000113_09.0426.C12.o1.gs	Method	GENSCAN
Start	269	End	3213
GI	none	Score	.81
Exons	269..1153, 1240..1987, 2063..2263, 2396..2515, 2588..2692, 2765..3213		

Seq. No.	57019	Seq. ID	OJ000113_09.0426.C12
Gene No.	119400	Strand	+
Start	269	End	3213
Name	OJ000113_09.0426.C12.o1.np	Method	AAT/NAP
Start	269	End	3210
GI	6691716	Score	2340
Exons	269..1139, 1337..1529, 1611..1716, 1811..1987, 2063..2250, 2326..2429, 2580..2692, 2765..3210		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	57019	Seq. ID	OJ000113_09.0426.C12
Gene No.	119401	Strand	-
Start	3533	End	3631
Name	OJ000113_09.0426.C12.o1.tw	Method	TBLASTX:Wheat
Start	389	End	679
GI	none	Score	220
Exons	389..679, 529..642		

Seq. No.	57019	Seq. ID	OJ000113_09.0426.C12
Gene No.	119401	Strand	-
Start	3533	End	3631
Name	OJ000113_09.0426.C12.o2.np	Method	AAT/NAP
Start	3533	End	3631
GI	5902445	Score	172
Exons	3533..3631		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13

Gene No.	119402	Strand	+
Start	5999	End	9480
Name	OJ000113_09.0426.C13.o2.gs	Method	GENSCAN
Start	5999	End	9480
GI	none	Score	.9
Exons	5999..6001, 6484..6652, 6803..6907, 7073..7407, 7626..7794, 7828..8256, 8331..8518, 8594..8783, 8855..8959, 9032..9480		

Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119403	Strand	+
Start	16723	End	19999
Name	OJ000113_09.0426.C13.o4.gs	Method	GENSCAN
Start	16723	End	19999
GI	none	Score	.79
Exons	16723..19781, 19996..19999		

Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119404	Strand	-
Start	21	End	4391
Name	OJ000113_09.0426.C13.o1.gs	Method	GENSCAN
Start	21	End	4391
GI	none	Score	.68
Exons	21..896, 996..1509, 1581..2627, 2724..3315, 3323..4391		

Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-
Start	9797	End	15907
Name	OJ000113_09.0426.C13.o5.tw	Method	TBLASTX:Wheat
Start	3	End	10423
GI	none	Score	64
Exons	3..173, 64..153, 9809..9946, 9932..10090, 10145..10423, 10161..10262, 10314..10403		

Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-
Start	9797	End	15907
Name	OJ000113_09.0426.C13.o7.tm	Method	TBLASTX:Maize
Start	39	End	10466
GI	none	Score	56
Exons	39..122, 52..126, 109..216, 117..215, 10193..10279, 10289..10372, 10302..10376, 10359..10466, 10367..10465		

Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-
Start	9797	End	15907
Name	OJ000113_09.0426.C13.o3.tw	Method	TBLASTX:Wheat
Start	288	End	10925
GI	none	Score	113
Exons	288..479, 288..674, 364..675, 10538..10729, 10538..10924, 10614..10925		

Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-
Start	9797	End	15907
Name	OJ000113_09.0426.C13.o1.tm	Method	TBLASTX:Maize
Start	318	End	10931
GI	none	Score	67

Exons	318..365, 319..366, 337..672, 357..680, 370..681, 10568..10615, 10569..10616, 10625..10930, 10626..10931		
Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-
Start	9797	End	15907
Name	OJ000113_09.0426.C13.o10.tw	Method	TBLASTX:Wheat
Start	678	End	11227
GI	none	Score	134
Exons	678..818, 843..977, 10928..11068, 11093..11227		
Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-
Start	9797	End	15907
Name	OJ000113_09.0426.C13.o6.tm	Method	TBLASTX:Maize
Start	909	End	11413
GI	none	Score	193
Exons	909..1163, 11159..11413		
Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-
Start	9797	End	15907
Name	OJ000113_09.0426.C13.o4.tw	Method	TBLASTX:Wheat
Start	993	End	11665
GI	none	Score	276
Exons	993..1415, 1003..1407, 11243..11665, 11253..11660, 11312..11662		
Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-
Start	9797	End	15907
Name	OJ000113_09.0426.C13.o2.ts	Method	TBLASTX:Soybean
Start	1036	End	11674
GI	none	Score	155
Exons	1036..1416, 1038..1424, 11286..11666, 11288..11530, 11570..11674		
Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-
Start	9797	End	15907
Name	OJ000113_09.0426.C13.o8.tw	Method	TBLASTX:Wheat
Start	1419	End	11951
GI	none	Score	70
Exons	1419..1625, 1431..1565, 1625..1699, 1626..1700, 11665..11763, 11666..11815, 11669..11950, 11874..11951		
Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-
Start	9797	End	15907
Name	OJ000113_09.0426.C13.o2.tm	Method	TBLASTX:Maize
Start	1539	End	12233
GI	none	Score	34
Exons	1539..1565, 1563..1625, 1609..1623, 1625..1705, 1626..1706, 1727..1981, 1728..1982, 11789..11815, 11813..11956, 11826..11957, 11972..12232, 11973..12233		
Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-
Start	9797	End	15907

Name	OJ000113_09.0426.C13.o1.ts	Method	TBLASTX:Soybean
Start	1649	End	12301
GI	none	Score	53
Exons	1649..2050, 1683..1853, 1890..2033, 11900..12301, 11934..12104, 12141..12284		

Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-
Start	9797	End	15907
Name	OJ000113_09.0426.C13.o2.tw	Method	TBLASTX:Wheat
Start	1704	End	12379
GI	none	Score	300
Exons	1704..2084, 1709..2128, 11955..12335, 11960..12379		

Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-
Start	9797	End	15907
Name	OJ000113_09.0426.C13.o3.tm	Method	TBLASTX:Maize
Start	2213	End	12820
GI	none	Score	90
Exons	2213..2506, 2213..2569, 2223..2528, 12464..12820, 12474..12779		

Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-
Start	9797	End	15907
Name	OJ000113_09.0426.C13.o1.tw	Method	TBLASTX:Wheat
Start	2243	End	12950
GI	none	Score	263
Exons	2243..2698, 2244..2699, 12494..12949, 12495..12950		

Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-
Start	9797	End	15907
Name	OJ000113_09.0426.C13.o3.ts	Method	TBLASTX:Soybean
Start	2294	End	12910
GI	none	Score	138
Exons	2294..2428, 2435..2659, 12545..12679, 12686..12910		

Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-
Start	9797	End	15907
Name	OJ000113_09.0426.C13.o6.tw	Method	TBLASTX:Wheat
Start	2919	End	13627
GI	none	Score	159
Exons	2919..3155, 2921..3151, 3200..3337, 13170..13406, 13172..13402, 13451..13627		

Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-
Start	9797	End	15907
Name	OJ000113_09.0426.C13.o9.tw	Method	TBLASTX:Wheat
Start	6643	End	6933
GI	none	Score	214
Exons	6643..6933		

Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-

Start	9797	End	15907
Name	OJ000113_09.0426.C13.o3.gs	Method	GENSCAN
Start	9797	End	15907
GI	none	Score	.7
Exons	9797..12878, 12975..14775, 14808..14937, 14945..15907		

Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-
Start	9797	End	15907
Name	OJ000113_09.0426.C13.o1.np	Method	AAT/NAP
Start	9833	End	15907
GI	5922631	Score	6655
Exons	9833..12360, 12967..13890, 14017..14168, 14211..14775, 14821..15030, 15280..15524, 15783..15907		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-
Start	9797	End	15907
Name	OJ000113_09.0426.C13.o5.tm	Method	TBLASTX:Maize
Start	9848	End	10081
GI	none	Score	100
Exons	9848..9949, 9849..9950, 9929..10081, 9930..10004		

Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119405	Strand	-
Start	9797	End	15907
Name	OJ000113_09.0426.C13.o7.tw	Method	TBLASTX:Wheat
Start	14204	End	14606
GI	none	Score	114
Exons	14204..14605, 14337..14606		

Seq. No.	57020	Seq. ID	OJ000113_09.0426.C13
Gene No.	119406	Strand	
Start	19396	End	19784
Name	OJ000113_09.0426.C13.o4.tm	Method	TBLASTX:Maize
Start	19396	End	19784
GI	none	Score	52
Exons	19396..19440, 19450..19548, 19552..19626, 19560..19649, 19623..19784, 19636..19782		

Seq. No.	57021	Seq. ID	OJ000113_09.0426.C14
Gene No.	119407	Strand	-
Start	1782	End	2265
Name	OJ000113_09.0426.C14.o1.gs	Method	GENSCAN
Start	1782	End	2122
GI	none	Score	.88
Exons	1782..1895, 2018..2122		

Seq. No.	57021	Seq. ID	OJ000113_09.0426.C14
Gene No.	119407	Strand	-

Start	1782	End	2265
Name	OJ000113_09.0426.C14.o1.gp	Method	AAT/GAP
Start	2007	End	2265
GI	702991	Score	350
Exons	2007..2265		

Seq. No.	57022	Seq. ID	OJ000113_09.0426.C15
Gene No.	119408	Strand	+
Start	2732	End	2949
Name	OJ000113_09.0426.C15.o1.gp	Method	AAT/GAP
Start	2732	End	2949
GI	702991	Score	396
Exons	2732..2949		

Seq. No.	57022	Seq. ID	OJ000113_09.0426.C15
Gene No.	119409	Strand	+
Start	3992	End	11861
Name	OJ000113_09.0426.C15.o2.gs	Method	GENSCAN
Start	3992	End	11861
GI	none	Score	.61
Exons	3992..4073, 4876..5026, 5640..5756, 7157..7427, 7913..8056, 8939..9004, 10611..11861		

Seq. No.	57022	Seq. ID	OJ000113_09.0426.C15
Gene No.	119410	Strand	-
Start	139	End	3204
Name	OJ000113_09.0426.C15.o1.gs	Method	GENSCAN
Start	139	End	3204
GI	none	Score	.5
Exons	139..218, 832..978, 1041..1186, 2127..2478, 2739..3011, 3155..3204		

Seq. No.	57023	Seq. ID	OJ000113_09.0426.C17
Gene No.	119411	Strand	+
Start	397	End	637
Name	OJ000113_09.0426.C17.o1.gp	Method	AAT/GAP
Start	397	End	637
GI	none	Score	452
Exons	397..637		

Seq. No.	57023	Seq. ID	OJ000113_09.0426.C17
Gene No.	119412	Strand	+
Start	1331	End	7656
Name	OJ000113_09.0426.C17.o1.gs	Method	GENSCAN
Start	1331	End	7656
GI	none	Score	.68
Exons	1331..1527, 1871..2101, 2755..2934, 3269..3387, 3389..3457, 3490..3576, 4136..4312, 4430..4550, 5040..5234, 5901..6027, 6455..6752, 6818..6976, 7052..7245, 7600..7656		

Seq. No.	57023	Seq. ID	OJ000113_09.0426.C17
Gene No.	119412	Strand	+
Start	1331	End	7656
Name	OJ000113_09.0426.C17.o1.np	Method	AAT/NAP
Start	2759	End	5235
GI	1345502	Score	1642
Exons	2759..2948, 3193..5235		

GI Descrip. (X57297) TNP2 [Antirrhinum majus]

Seq. No.	57023	Seq. ID	OJ000113_09.0426.C17
Gene No.	119412	Strand	+
Start	1331	End	7656
Name	OJ000113_09.0426.C17.o2.np	Method	AAT/NAP
Start	5323	End	5432
GI	4734013	Score	96
Exons	5323..5432		

GI Descrip. (AC007112) putative TNP1-like transposon protein [Arabidopsis thaliana]

Seq. No.	57023	Seq. ID	OJ000113_09.0426.C17
Gene No.	119413	Strand	+
Start	8188	End	8294
Name	OJ000113_09.0426.C17.o5.np	Method	AAT/NAP
Start	8188	End	8294
GI	6721561	Score	78
Exons	8188..8294		

GI Descrip. (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	57023	Seq. ID	OJ000113_09.0426.C17
Gene No.	119414	Strand	-
Start	6187	End	7978
Name	OJ000113_09.0426.C17.o3.np	Method	AAT/NAP
Start	6187	End	7978
GI	7248392	Score	205
Exons	6187..6340, 6542..6670, 6881..7129, 7881..7978		

GI Descrip. (AP001389) hypothetical protein [Oryza sativa]

Seq. No.	57023	Seq. ID	OJ000113_09.0426.C17
Gene No.	119415	Strand	-
Start	8600	End	12116
Name	OJ000113_09.0426.C17.o4.np	Method	AAT/NAP
Start	8066	End	12116
GI	4680183	Score	123
Exons	8066..8215, 12034..12116		

GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. No.	57023	Seq. ID	OJ000113_09.0426.C17
Gene No.	119415	Strand	-
Start	8600	End	12116
Name	OJ000113_09.0426.C17.o2.gs	Method	GENSCAN
Start	8600	End	9295
GI	none	Score	.68
Exons	8600..8779, 9052..9147, 9233..9295		

Seq. No.	57023	Seq. ID	OJ000113_09.0426.C17
Gene No.	119415	Strand	-
Start	8600	End	12116
Name	OJ000113_09.0426.C17.o2.gp	Method	AAT/GAP
Start	8786	End	8899
GI	uC-osflcyp088b12b1	Score	147

Exons	8786..8899		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	57023	Seq. ID	OJ000113_09.0426.C17
Gene No.	119416	Strand	-
Start	13115	End	13908
Name	OJ000113_09.0426.C17.o2.ts	Method	TBLASTX:Soybean
Start	3715	End	4038
GI	none	Score	215
Exons	3715..4038, 3795..4034		
Seq. No.	57023	Seq. ID	OJ000113_09.0426.C17
Gene No.	119416	Strand	-
Start	13115	End	13908
Name	OJ000113_09.0426.C17.o1.tc	Method	TBLASTX:Cress
Start	3769	End	4119
GI	none	Score	287
Exons	3769..4119, 3786..4010		
Seq. No.	57023	Seq. ID	OJ000113_09.0426.C17
Gene No.	119416	Strand	-
Start	13115	End	13908
Name	OJ000113_09.0426.C17.o2.tw	Method	TBLASTX:Wheat
Start	3907	End	4197
GI	none	Score	260
Exons	3907..4197, 3963..4151		
Seq. No.	57023	Seq. ID	OJ000113_09.0426.C17
Gene No.	119416	Strand	-
Start	13115	End	13908
Name	OJ000113_09.0426.C17.o2.tm	Method	TBLASTX:Maize
Start	3960	End	4407
GI	none	Score	216
Exons	3960..4154, 3961..4194, 4213..4407, 4223..4291		
Seq. No.	57023	Seq. ID	OJ000113_09.0426.C17
Gene No.	119416	Strand	-
Start	13115	End	13908
Name	OJ000113_09.0426.C17.o3.tm	Method	TBLASTX:Maize
Start	4528	End	4764
GI	none	Score	205
Exons	4528..4746, 4581..4745, 4615..4764		
Seq. No.	57023	Seq. ID	OJ000113_09.0426.C17
Gene No.	119416	Strand	-
Start	13115	End	13908
Name	OJ000113_09.0426.C17.o1.tm	Method	TBLASTX:Maize
Start	4778	End	5252
GI	none	Score	79
Exons	4778..4975, 4789..5244, 4822..5247, 5034..5252, 5094..5252		
Seq. No.	57023	Seq. ID	OJ000113_09.0426.C17
Gene No.	119416	Strand	-
Start	13115	End	13908
Name	OJ000113_09.0426.C17.o1.ts	Method	TBLASTX:Soybean
Start	4837	End	5223

GI	none	Score	104
Exons	4837..4974, 4894..4998, 4984..5223, 5034..5222		

Seq. No.	57023	Seq. ID	OJ000113_09.0426.C17
Gene No.	119416	Strand	-
Start	13115	End	13908
Name	OJ000113_09.0426.C17.o1.tw	Method	TBLASTX:Wheat
Start	4885	End	5415
GI	none	Score	260
Exons	4885..5241, 5118..5207, 5310..5414, 5317..5415		

Seq. No.	57023	Seq. ID	OJ000113_09.0426.C17
Gene No.	119416	Strand	-
Start	13115	End	13908
Name	OJ000113_09.0426.C17.o4.gs	Method	GENSCAN
Start	13115	End	13908
GI	none	Score	.84
Exons	13115..13393, 13732..13908		

Seq. No.	57024	Seq. ID	OJ000113_09.0426.C18
Gene No.	119417	Strand	+
Start	1	End	9606
Name	OJ000113_09.0426.C18.o1.np	Method	AAT/NAP
Start	1	End	4155
GI	5777623	Score	1126
Exons	1..26, 271..438, 687..757, 939..1510, 2324..2564, 4043..4155		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	57024	Seq. ID	OJ000113_09.0426.C18
Gene No.	119417	Strand	+
Start	1	End	9606
Name	OJ000113_09.0426.C18.o3.np	Method	AAT/NAP
Start	3644	End	7418
GI	7228438	Score	1388
Exons	3644..4616, 6134..6690, 6783..7089, 7188..7418		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	57024	Seq. ID	OJ000113_09.0426.C18
Gene No.	119417	Strand	+
Start	1	End	9606
Name	OJ000113_09.0426.C18.o3.gs	Method	GENSCAN
Start	3752	End	9606
GI	none	Score	.46
Exons	3752..4904, 5022..5135, 5689..5839, 5922..6147, 6268..6690, 6783..7081, 7174..7441, 7696..7813, 7993..8073, 8328..8524, 9490..9606		

Seq. No.	57024	Seq. ID	OJ000113_09.0426.C18
Gene No.	119418	Strand	+
Start	11918	End	12514
Name	OJ000113_09.0426.C18.o5.gs	Method	GENSCAN
Start	11918	End	12514
GI	none	Score	.5
Exons	11918..12514		

Seq. No.	57024	Seq. ID	OJ000113_09.0426.C18
Gene No.	119419	Strand	-
Start	354	End	443
Name	OJ000113_09.0426.C18.o1.gs	Method	GENSCAN
Start	354	End	443
GI	none	Score	.53
Exons	354..443		

Seq. No.	57024	Seq. ID	OJ000113_09.0426.C18
Gene No.	119420	Strand	-
Start	1147	End	1560
Name	OJ000113_09.0426.C18.o2.gs	Method	GENSCAN
Start	1147	End	1560
GI	none	Score	.98
Exons	1147..1560		

Seq. No.	57024	Seq. ID	OJ000113_09.0426.C18
Gene No.	119421	Strand	-
Start	2472	End	5780
Name	OJ000113_09.0426.C18.o2.np	Method	AAT/NAP
Start	2472	End	5780
GI	4680186	Score	181
Exons	2472..2889, 3367..3429, 5753..5780		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	57024	Seq. ID	OJ000113_09.0426.C18
Gene No.	119422	Strand	-
Start	8643	End	12542
Name	OJ000113_09.0426.C18.o5.np	Method	AAT/NAP
Start	8643	End	12542
GI	330915	Score	27
Exons	8643..8665, 11592..11768, 12025..12092, 12227..12542		
GI Descrip.	(M76726) IR4 protein [Equine herpesvirus type 1] gi|330924 (M25345) ORF S1-2 [Equine herpesvirus type 1]		

Seq. No.	57024	Seq. ID	OJ000113_09.0426.C18
Gene No.	119422	Strand	-
Start	8643	End	12542
Name	OJ000113_09.0426.C18.o4.np	Method	AAT/NAP
Start	9034	End	11395
GI	5922634	Score	120
Exons	9034..9053, 11281..11395		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	57024	Seq. ID	OJ000113_09.0426.C18
Gene No.	119422	Strand	-
Start	8643	End	12542
Name	OJ000113_09.0426.C18.o4.gs	Method	GENSCAN
Start	10482	End	11395
GI	none	Score	.76
Exons	10482..10555, 11296..11395		

Seq. No.	57024	Seq. ID	OJ000113_09.0426.C18
Gene No.	119423	Strand	-
Start	14484	End	14642

Name	OJ000113_09.0426.C18.o1.tm	Method	TBLASTX:Maize
Start	3629	End	4210
GI	none	Score	119
Exons	3629..3781, 3631..3750, 3781..4086, 3782..4090, 4130..4210, 4138..4158		

Seq. No.	57024	Seq. ID	OJ000113_09.0426.C18
Gene No.	119423	Strand	-
Start	14484	End	14642
Name	OJ000113_09.0426.C18.o1.tw	Method	TBLASTX:Wheat
Start	3919	End	4306
GI	none	Score	192
Exons	3919..4068, 3920..4096, 3920..4069, 4109..4306, 4117..4164, 4121..4210, 4143..4229		

Seq. No.	57024	Seq. ID	OJ000113_09.0426.C18
Gene No.	119423	Strand	-
Start	14484	End	14642
Name	OJ000113_09.0426.C18.o2.tw	Method	TBLASTX:Wheat
Start	6004	End	6333
GI	none	Score	92
Exons	6004..6057, 6012..6068, 6066..6194, 6067..6195, 6229..6264, 6301..6333		

Seq. No.	57024	Seq. ID	OJ000113_09.0426.C18
Gene No.	119423	Strand	-
Start	14484	End	14642
Name	OJ000113_09.0426.C18.o6.gs	Method	GENSCAN
Start	14484	End	14642
GI	none	Score	.41
Exons	14484..14642		

Seq. No.	57025	Seq. ID	OJ000113_09.0426.C19
Gene No.	119424	Strand	
Start	410	End	1050
Name	OJ000113_09.0426.C19.o1.tm	Method	TBLASTX:Maize
Start	410	End	1050
GI	none	Score	84
Exons	410..499, 411..518, 415..531, 432..503, 444..545, 444..554, 531..593, 541..588, 551..610, 578..604, 612..710, 617..733, 617..730, 618..731, 618..731, 624..731, 627..725, 627..734, 628..741, 629..733, 630..731, 631..732, 631..735, 767..868, 770..880, 772..879, 779..871, 782..865, 782..880, 789..917, 790..882, 900..965, 901..1026, 904..1047, 904..1050, 934..1026, 935..970, 943..1041, 944..1042, 949..1020		

Seq. No.	57026	Seq. ID	OJ000113_09.0426.C20
Gene No.	119425	Strand	+
Start	3604	End	3710
Name	OJ000113_09.0426.C20.o2.gs	Method	GENSCAN
Start	3604	End	3710
GI	none	Score	1
Exons	3604..3710		

Seq. No.	57026	Seq. ID	OJ000113_09.0426.C20
Gene No.	119426	Strand	-
Start	1	End	4512

Name	OJ000113_09.0426.C20.o1.gp	Method	AAT/GAP
Start	1	End	845
GI	342_1.R1084	Score	1174
Exons	1..845		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	57026	Seq. ID	OJ000113_09.0426.C20
Gene No.	119426	Strand	-
Start	1	End	4512
Name	OJ000113_09.0426.C20.o3.gp	Method	AAT/GAP
Start	1	End	845
GI	342_1.R1084	Score	1164
Exons	1..845		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	57026	Seq. ID	OJ000113_09.0426.C20
Gene No.	119426	Strand	-
Start	1	End	4512
Name	OJ000113_09.0426.C20.o2.gp	Method	AAT/GAP
Start	1	End	845
GI	342_1.R1084	Score	1172
Exons	1..845		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	57026	Seq. ID	OJ000113_09.0426.C20
Gene No.	119426	Strand	-
Start	1	End	4512
Name	OJ000113_09.0426.C20.o1.gs	Method	GENSCAN
Start	464	End	1693
GI	none	Score	.74
Exons	464..1693		

Seq. No.	57026	Seq. ID	OJ000113_09.0426.C20
Gene No.	119426	Strand	-
Start	1	End	4512
Name	OJ000113_09.0426.C20.o1.tw	Method	TBLASTX:Wheat
Start	539	End	827
GI	none	Score	124
Exons	539..631, 620..700, 705..824, 713..826, 714..827		

Seq. No.	57026	Seq. ID	OJ000113_09.0426.C20
Gene No.	119426	Strand	-
Start	1	End	4512
Name	OJ000113_09.0426.C20.o1.np	Method	AAT/NAP
Start	800	End	4512
GI	4680203	Score	457
Exons	800..1693, 4454..4512		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	57026	Seq. ID	OJ000113_09.0426.C20
Gene No.	119426	Strand	-
Start	1	End	4512
Name	OJ000113_09.0426.C20.o2.np	Method	AAT/NAP
Start	800	End	1693

GI	4680203	Score	455
Exons	800..1693		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	57026	Seq. ID	OJ000113_09.0426.C20
Gene No.	119426	Strand	-
Start	1	End	4512
Name	OJ000113_09.0426.C20.o2.tw	Method	TBLASTX:Wheat
Start	836	End	1339
GI	none	Score	47
Exons	836..892, 855..893, 939..1100, 941..1339		

Seq. No.	57026	Seq. ID	OJ000113_09.0426.C20
Gene No.	119426	Strand	-
Start	1	End	4512
Name	OJ000113_09.0426.C20.o1.ts	Method	TBLASTX:Soybean
Start	922	End	1241
GI	none	Score	84
Exons	922..1161, 923..1213, 941..1216, 948..1214, 1218..1241		

Seq. No.	57027	Seq. ID	OJ000113_09.0426.C23
Gene No.	119427	Strand	+
Start	1	End	508
Name	OJ000113_09.0426.C23.o1.np	Method	AAT/NAP
Start	1	End	271
GI	6635380	Score	77
Exons	1..271		
GI Descrip.	(AF180355) RPS2 protein [Brassica oleracea]		

Seq. No.	57027	Seq. ID	OJ000113_09.0426.C23
Gene No.	119427	Strand	+
Start	1	End	508
Name	OJ000113_09.0426.C23.o1.tm	Method	TBLASTX:Maize
Start	3	End	304
GI	none	Score	67
Exons	3..68, 63..170, 72..146, 88..171, 143..304, 156..302, 208..303		

Seq. No.	57027	Seq. ID	OJ000113_09.0426.C23
Gene No.	119427	Strand	+
Start	1	End	508
Name	OJ000113_09.0426.C23.o1.gs	Method	GENSCAN
Start	74	End	508
GI	none	Score	.93
Exons	74..301, 505..508		

Seq. No.	57028	Seq. ID	OJ000113_09.0426.C28
Gene No.	119428	Strand	-
Start	1	End	1055
Name	OJ000113_09.0426.C28.o1.np	Method	AAT/NAP
Start	1	End	565
GI	4680183	Score	960
Exons	1..565		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	57028	Seq. ID	OJ000113_09.0426.C28
Gene No.	119428	Strand	-
Start	1	End	1055

Name	OJ000113_09.0426.C28.o2.np	Method	AAT/NAP
Start	1	End	1055
GI	4680180	Score	775
Exons	1..68, 560..1055		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	57028	Seq. ID	OJ000113_09.0426.C28
Gene No.	119428	Strand	-
Start	1	End	1055
Name	OJ000113_09.0426.C28.o1.gs	Method	GENSCAN
Start	44	End	854
GI	none	Score	.93
Exons	44..854		

Seq. No.	57028	Seq. ID	OJ000113_09.0426.C28
Gene No.	119428	Strand	-
Start	1	End	1055
Name	OJ000113_09.0426.C28.o1.tw	Method	TBLASTX:Wheat
Start	66	End	468
GI	none	Score	114
Exons	66..467, 199..468		

Seq. No.	57028	Seq. ID	OJ000113_09.0426.C28
Gene No.	119428	Strand	-
Start	1	End	1055
Name	OJ000113_09.0426.C28.o2.tm	Method	TBLASTX:Maize
Start	231	End	485
GI	none	Score	176
Exons	231..485		

Seq. No.	57028	Seq. ID	OJ000113_09.0426.C28
Gene No.	119428	Strand	-
Start	1	End	1055
Name	OJ000113_09.0426.C28.o2.tw	Method	TBLASTX:Wheat
Start	561	End	928
GI	none	Score	101
Exons	561..866, 561..866, 562..891, 833..928		

Seq. No.	57028	Seq. ID	OJ000113_09.0426.C28
Gene No.	119428	Strand	-
Start	1	End	1055
Name	OJ000113_09.0426.C28.o1.tm	Method	TBLASTX:Maize
Start	616	End	998
GI	none	Score	92
Exons	616..759, 618..731, 726..866, 742..864, 839..991, 849..998		

Seq. No.	57029	Seq. ID	OJ000103_08.0426.C1
Gene No.	119429	Strand	+
Start	490	End	663
Name	OJ000103_08.0426.C1.o1.gs	Method	GENSCAN
Start	490	End	663
GI	none	Score	.56
Exons	490..663		

Seq. No.	57029	Seq. ID	OJ000103_08.0426.C1
Gene No.	119430	Strand	+
Start	1375	End	6139

Name	OJ000103_08.0426.C1.o2.gs	Method	GENSCAN
Start	1375	End	6139
GI	none	Score	.57
Exons	1375..1519, 1696..1745, 2485..3459, 3553..4311, 5377..5438, 5908..6139		

Seq. No.	57029	Seq. ID	OJ000103_08.0426.C1
Gene No.	119430	Strand	+
Start	1375	End	6139
Name	OJ000103_08.0426.C1.o1.gp	Method	AAT/GAP
Start	2581	End	3092
GI	58768_1.R1084	Score	952
Exons	2581..3092		
GI Descrip.	'5001734/gb|AAD37122.1|AF129511_1 8.0e-33 (AF129511) very-long-chain fatty acid condensing enzyme CUT1 [Arabidopsis thaliana]'		

Seq. No.	57029	Seq. ID	OJ000103_08.0426.C1
Gene No.	119430	Strand	+
Start	1375	End	6139
Name	OJ000103_08.0426.C1.o1.np	Method	AAT/NAP
Start	2749	End	4323
GI	5001734	Score	2062
Exons	2749..3459, 3553..4323		
GI Descrip.	(AF129511) very-long-chain fatty acid condensing enzyme CUT1 [Arabidopsis thaliana] gi|6553942|gb|AAF16606.1|AC011915_9 (AC011915) very-long-chain fatty acid condensing enzyme (CUT1) [Arabidopsis thaliana]		

Seq. No.	57029	Seq. ID	OJ000103_08.0426.C1
Gene No.	119431	Strand	-
Start	3589	End	4596
Name	OJ000103_08.0426.C1.o1.tc	Method	TBLASTX:Cress
Start	2775	End	4323
GI	none	Score	93
Exons	2775..2852, 2776..2856, 2964..3077, 2965..3087, 3096..3170, 3100..3171, 3202..3459, 3216..3347, 3402..3455, 3550..3936, 3558..3740, 3822..3941, 3948..4046, 3958..4257, 3960..4256, 4249..4323, 4266..4298		

Seq. No.	57029	Seq. ID	OJ000103_08.0426.C1
Gene No.	119431	Strand	-
Start	3589	End	4596
Name	OJ000103_08.0426.C1.o1.tm	Method	TBLASTX:Maize
Start	2775	End	4296
GI	none	Score	83
Exons	2775..2861, 2776..2856, 2941..3087, 2957..2983, 2988..3086, 3093..3170, 3202..3477, 3204..3347, 3402..3458, 3570..3749, 3571..3954, 3843..3917, 3960..4157, 3960..4280, 3961..4296		

Seq. No.	57029	Seq. ID	OJ000103_08.0426.C1
Gene No.	119431	Strand	-
Start	3589	End	4596
Name	OJ000103_08.0426.C1.o1.ts	Method	TBLASTX:Soybean
Start	2775	End	4305
GI	none	Score	94
Exons	2775..2852, 2776..2856, 2941..3087, 2943..3077, 3093..3161,		

3202..3465, 3216..3347, 3402..3458, 3550..3954, 3558..3749, 3822..3929, 3957..4283, 3958..4305

Seq. No.	57029	Seq. ID	OJ000103_08.0426.C1
Gene No.	119431	Strand	-
Start	3589	End	4596
Name	OJ000103_08.0426.C1.o2.tw	Method	TBLASTX:Wheat
Start	3085	End	3290
GI	none	Score	189
Exons	3085..3288, 3093..3290, 3138..3290		

Seq. No.	57029	Seq. ID	OJ000103_08.0426.C1
Gene No.	119431	Strand	-
Start	3589	End	4596
Name	OJ000103_08.0426.C1.o2.gp	Method	AAT/GAP
Start	3589	End	4596
GI	3869_1.R1084	Score	1912
Exons	3589..4596		
GI Descrip.	'5001734/gb|AAD37122.1|AF129511_1 1.0e-108 (AF129511) very-long-chain fatty acid condensing enzyme CUT1 [Arabidopsis thaliana]'		

Seq. No.	57029	Seq. ID	OJ000103_08.0426.C1
Gene No.	119431	Strand	-
Start	3589	End	4596
Name	OJ000103_08.0426.C1.o1.tw	Method	TBLASTX:Wheat
Start	4089	End	4308
GI	none	Score	248
Exons	4089..4265, 4090..4266, 4258..4308		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119432	Strand	+
Start	12523	End	12882
Name	OJ000103_08.0426.C2.o3.gp	Method	AAT/GAP
Start	12523	End	12882
GI	426660	Score	686
Exons	12523..12882		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119433	Strand	+
Start	13368	End	13838
Name	OJ000103_08.0426.C2.o4.gp	Method	AAT/GAP
Start	13368	End	13838
GI	none	Score	858
Exons	13368..13838		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119434	Strand	+
Start	17750	End	23043
Name	OJ000103_08.0426.C2.o2.np	Method	AAT/NAP
Start	17750	End	19687
GI	4836910	Score	1554
Exons	17750..17839, 17885..18602, 18708..19277, 19317..19687		
GI Descrip.	(AC007153) 51396 [Arabidopsis thaliana]		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119434	Strand	+

Start	17750	End	23043
Name	OJ000103_08.0426.C2.o4.gs	Method	GENSCAN
Start	17750	End	22439
GI	none	Score	.75
Exons	17750..18602, 18672..19632, 19871..19940, 20297..20513, 21504..21773, 22217..22372, 22417..22439		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119434	Strand	+
Start	17750	End	23043
Name	OJ000103_08.0426.C2.o6.gp	Method	AAT/GAP
Start	19167	End	19559
GI	2427512	Score	709
Exons	19167..19559		
GI Descrip.	4836910/gb|AAD30612.1|AC007153_4 4.0e-28 (AC007153) 51396 [Arabidopsis thaliana]		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119434	Strand	+
Start	17750	End	23043
Name	OJ000103_08.0426.C2.o7.gp	Method	AAT/GAP
Start	20941	End	22416
GI	634_1.R1084	Score	1132
Exons	20941..21122, 21559..21773, 22217..22416		
GI Descrip.	'6094430/sp|O22348|TBA2_ELEIN 1.0e-115 TUBULIN ALPHA-2 CHAIN (ALPHA-TUBULIN 2) >gi_2511533 (AF008121) alpha-tubulin 2 [Eleusine indica]'		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119434	Strand	+
Start	17750	End	23043
Name	OJ000103_08.0426.C2.o3.np	Method	AAT/NAP
Start	21010	End	23043
GI	6094430	Score	811
Exons	21010..21122, 21559..21773, 22217..22442, 23011..23043		
GI Descrip.	TUBULIN ALPHA-2 CHAIN (ALPHA-TUBULIN 2) gi|2511533 (AF008121) alpha-tubulin 2 [Eleusine indica]		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119435	Strand	-
Start	2923	End	4932
Name	OJ000103_08.0426.C2.o1.gs	Method	GENSCAN
Start	2923	End	4866
GI	none	Score	.72
Exons	2923..3080, 4449..4866		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119435	Strand	-
Start	2923	End	4932
Name	OJ000103_08.0426.C2.o1.np	Method	AAT/NAP
Start	2926	End	4857
GI	400986	Score	702
Exons	2926..3144, 4131..4282, 4449..4857		
GI Descrip.	50S RIBOSOMAL PROTEIN L15, CHLOROPLAST PRECURSOR (CL15) gi|81947|pir||S18001 ribosomal protein L15 precursor, chloroplast - garden pea (fragment) gi|20867|emb|CAA77595| (Z11510) Plastid ribosomal protein CL15 [Pisum sativum]		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119435	Strand	-
Start	2923	End	4932
Name	OJ000103_08.0426.C2.o1.gp	Method	AAT/GAP
Start	4466	End	4932
GI	24962_1.R1084	Score	882
Exons	4466..4932		
GI Descrip.	'400986/sp|P31165|RK15_PEA 2.0e-18 50S RIBOSOMAL PROTEIN L15, CHLOROPLAST PRECURSOR (CL15) >gi_81947_pir__S18001 ribosomal protein L15 precursor, chloroplast - garden pea (fragment) >gi_20867_emb_CAA77595_ (Z11510) Plastid ribosomal protein CL15 [Pisum sativum]'		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119436	Strand	-
Start	5329	End	10289
Name	OJ000103_08.0426.C2.o2.gs	Method	GENSCAN
Start	5329	End	10289
GI	none	Score	.55
Exons	5329..5352, 5560..6191, 6361..6434, 7742..7843, 9369..9605, 10204..10289		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119436	Strand	-
Start	5329	End	10289
Name	OJ000103_08.0426.C2.o2.gp	Method	AAT/GAP
Start	7590	End	9656
GI	none	Score	941
Exons	7590..7638, 7742..7903, 9369..9656		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119437	Strand	-
Start	14022	End	14397
Name	OJ000103_08.0426.C2.o5.tm	Method	TBLASTX:Maize
Start	2877	End	4885
GI	none	Score	347
Exons	2877..3146, 2891..3166, 2899..3159, 2903..3160, 4128..4283, 4131..4280, 4132..4284, 4447..4659, 4448..4591, 4793..4885, 4802..4867		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119437	Strand	-
Start	14022	End	14397
Name	OJ000103_08.0426.C2.o5.tc	Method	TBLASTX:Cress
Start	2941	End	4710
GI	none	Score	160
Exons	2941..3159, 2945..3166, 4128..4283, 4135..4284, 4447..4710, 4448..4591		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119437	Strand	-
Start	14022	End	14397
Name	OJ000103_08.0426.C2.o5.ts	Method	TBLASTX:Soybean
Start	2950	End	4659
GI	none	Score	145
Exons	2950..3144, 2963..3151, 4128..4283, 4132..4284, 4435..4554,		

4447..4659, 4448..4591

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119437	Strand	-
Start	14022	End	14397
Name	OJ000103_08.0426.C2.o3.tw	Method	TBLASTX:Wheat
Start	3107	End	4659
GI	none	Score	58
Exons	3107..3145, 3109..3159, 4127..4282, 4128..4283, 4138..4284, 4447..4560, 4447..4659, 4448..4591		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119437	Strand	-
Start	14022	End	14397
Name	OJ000103_08.0426.C2.o8.tm	Method	TBLASTX:Maize
Start	7414	End	9518
GI	none	Score	61
Exons	7414..7479, 7430..7486, 7437..7490, 7572..7640, 7572..7640, 7576..7641, 7738..7818, 7743..7904, 7743..7856, 7744..7860, 9378..9518, 9380..9517		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119437	Strand	-
Start	14022	End	14397
Name	OJ000103_08.0426.C2.o1.tm	Method	TBLASTX:Maize
Start	12515	End	14287
GI	none	Score	201
Exons	12515..12679, 12517..12684, 12518..12688, 12677..12820, 12691..12819, 12696..12821, 12807..13256, 12817..13266, 12818..13261, 13236..13616, 13259..14260, 13265..14287		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119437	Strand	-
Start	14022	End	14397
Name	OJ000103_08.0426.C2.o3.tc	Method	TBLASTX:Cress
Start	12823	End	13213
GI	none	Score	293
Exons	12823..13104, 12830..13153, 13106..13213, 13114..13212		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119437	Strand	-
Start	14022	End	14397
Name	OJ000103_08.0426.C2.o1.ts	Method	TBLASTX:Soybean
Start	13136	End	13474
GI	none	Score	487
Exons	13136..13474, 13141..13473		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119437	Strand	-
Start	14022	End	14397
Name	OJ000103_08.0426.C2.o1.tw	Method	TBLASTX:Wheat
Start	13318	End	13746
GI	none	Score	235
Exons	13318..13368, 13319..13483, 13323..13481, 13325..13483, 13463..13744, 13477..13746, 13699..13746		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2

Gene No.	119437	Strand	-
Start	14022	End	14397
Name	OJ000103_08.0426.C2.o6.ts	Method	TBLASTX:Soybean
Start	13631	End	14182
GI	none	Score	240
Exons	13631..14182		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119437	Strand	-
Start	14022	End	14397
Name	OJ000103_08.0426.C2.o1.tc	Method	TBLASTX:Cress
Start	13703	End	14227
GI	none	Score	709
Exons	13703..14227, 13717..14049		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119437	Strand	-
Start	14022	End	14397
Name	OJ000103_08.0426.C2.o4.tw	Method	TBLASTX:Wheat
Start	13751	End	14182
GI	none	Score	235
Exons	13751..14182		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119437	Strand	-
Start	14022	End	14397
Name	OJ000103_08.0426.C2.o5.gp	Method	AAT/GAP
Start	14022	End	14397
GI	38495_1.R1084	Score	647
Exons	14022..14397		
GI Descrip.	'4836910/gb|AAD30612.1|AC007153_4 4.0e-28 (AC007153) 51396 [Arabidopsis thaliana]'		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119438	Strand	
Start	16332	End	16655
Name	OJ000103_08.0426.C2.o3.tm	Method	TBLASTX:Maize
Start	16332	End	16655
GI	none	Score	128
Exons	16332..16454, 16334..16477, 16341..16454, 16367..16477, 16441..16650, 16443..16649, 16445..16654, 16452..16655		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119438	Strand	
Start	16332	End	16655
Name	OJ000103_08.0426.C2.o4.tc	Method	TBLASTX:Cress
Start	16340	End	16627
GI	none	Score	83
Exons	16340..16498, 16347..16496, 16493..16627, 16494..16622		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119438	Strand	
Start	16332	End	16655
Name	OJ000103_08.0426.C2.o2.ts	Method	TBLASTX:Soybean
Start	16346	End	16643
GI	none	Score	116
Exons	16346..16495, 16350..16502, 16493..16642, 16503..16643		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119439	Strand	
Start	17878	End	18067
Name	OJ000103_08.0426.C2.o7.tm	Method	TBLASTX:Maize
Start	17878	End	18067
GI	none	Score	259
Exons	17878..18060, 17879..18067		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119440	Strand	
Start	18188	End	18730
Name	OJ000103_08.0426.C2.o7.ts	Method	TBLASTX:Soybean
Start	18188	End	18466
GI	none	Score	60
Exons	18188..18244, 18193..18243, 18286..18465, 18287..18466		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119440	Strand	
Start	18188	End	18730
Name	OJ000103_08.0426.C2.o4.tm	Method	TBLASTX:Maize
Start	18328	End	18730
GI	none	Score	366
Exons	18328..18603, 18329..18604, 18706..18729, 18707..18730		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119441	Strand	
Start	18754	End	19221
Name	OJ000103_08.0426.C2.o2.tm	Method	TBLASTX:Maize
Start	18754	End	19221
GI	none	Score	650
Exons	18754..19221, 18755..19219		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119442	Strand	
Start	19406	End	19657
Name	OJ000103_08.0426.C2.o4.ts	Method	TBLASTX:Soybean
Start	19406	End	19657
GI	none	Score	324
Exons	19406..19657, 19513..19656		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119443	Strand	
Start	20865	End	22419
Name	OJ000103_08.0426.C2.o6.tm	Method	TBLASTX:Maize
Start	20865	End	22419
GI	none	Score	43
Exons	20865..20954, 20998..21141, 20998..21120, 21027..21131, 21556..21786, 21557..21772, 22214..22417, 22216..22419, 22216..22419		

Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119443	Strand	
Start	20865	End	22419
Name	OJ000103_08.0426.C2.o2.tc	Method	TBLASTX:Cress
Start	21010	End	21786
GI	none	Score	203

Exons	21010..21120, 21018..21122, 21027..21125, 21556..21786, 21557..21772		
Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119443	Strand	
Start	20865	End	22419
Name	OJ000103_08.0426.C2.o2.tw	Method	TBLASTX:Wheat
Start	21010	End	22407
GI	none	Score	191
Exons	21010..21120, 21027..21119, 21559..21786, 21560..21772, 22216..22380, 22216..22392, 22375..22407		
Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119443	Strand	
Start	20865	End	22419
Name	OJ000103_08.0426.C2.o3.ts	Method	TBLASTX:Soybean
Start	21010	End	22293
GI	none	Score	197
Exons	21010..21141, 21033..21131, 21556..21771, 21557..21772, 22218..22289, 22219..22293		
Seq. No.	57030	Seq. ID	OJ000103_08.0426.C2
Gene No.	119443	Strand	
Start	20865	End	22419
Name	OJ000103_08.0426.C2.o6.tc	Method	TBLASTX:Cress
Start	22216	End	22419
GI	none	Score	243
Exons	22216..22419, 22216..22407, 22344..22418		
Seq. No.	57031	Seq. ID	OJ000103_08.0426.C3
Gene No.	119444	Strand	+
Start	1	End	1487
Name	OJ000103_08.0426.C3.o1.np	Method	AAT/NAP
Start	1	End	1284
GI	6094430	Score	1319
Exons	1..35, 376..888, 981..1284		
GI Descrip.	TUBULIN ALPHA-2 CHAIN (ALPHA-TUBULIN 2) gi|2511533 (AF008121) alpha-tubulin 2 [Eleusine indica]		
Seq. No.	57031	Seq. ID	OJ000103_08.0426.C3
Gene No.	119444	Strand	+
Start	1	End	1487
Name	OJ000103_08.0426.C3.o1.gs	Method	GENSCAN
Start	244	End	1293
GI	none	Score	.99
Exons	244..285, 380..888, 981..1293		
Seq. No.	57031	Seq. ID	OJ000103_08.0426.C3
Gene No.	119444	Strand	+
Start	1	End	1487
Name	OJ000103_08.0426.C3.o1.gp	Method	AAT/GAP
Start	377	End	565
GI	634_1.R1084	Score	342
Exons	377..565		
GI Descrip.	'6094430/sp|O22348|TBA2_ELEIN 1.0e-115 TUBULIN ALPHA-2 CHAIN (ALPHA-TUBULIN 2) >gi_2511533 (AF008121) alpha-tubulin 2 [Eleusine indica]'		

Seq. No.	57031	Seq. ID	OJ000103_08.0426.C3
Gene No.	119444	Strand	+
Start	1	End	1487
Name	OJ000103_08.0426.C3.o2.gp	Method	AAT/GAP
Start	672	End	1487
GI	331_4.R1084	Score	1408
Exons	672..888, 981..1487		
GI Descrip..	'6094430/sp|O22348|TBA2_ELEIN (ALPHA-TUBULIN 2) >gi_2511533 [Eleusine indica]'	3.0e-86	TUBULIN ALPHA-2 CHAIN (AF008121) alpha-tubulin 2

Seq. No.	57031	Seq. ID	OJ000103_08.0426.C3
Gene No.	119445	Strand	+
Start	1947	End	2664
Name	OJ000103_08.0426.C3.o1.tm	Method	TBLASTX:Maize
Start	376	End	1233
GI	none	Score	830
Exons	376..456, 377..889, 488..658, 1114..1218	514..891, 958..1233, 981..1190,	

Seq. No.	57031	Seq. ID	OJ000103_08.0426.C3
Gene No.	119445	Strand	+
Start	1947	End	2664
Name	OJ000103_08.0426.C3.o1.tc	Method	TBLASTX:Cress
Start	377	End	1233
GI	none	Score	828
Exons	377..889, 382..456, 503..658, 1105..1227	514..891, 958..1233, 981..1190,	

Seq. No.	57031	Seq. ID	OJ000103_08.0426.C3
Gene No.	119445	Strand	+
Start	1947	End	2664
Name	OJ000103_08.0426.C3.o2.tw	Method	TBLASTX:Wheat
Start	377	End	577
GI	none	Score	307
Exons	377..577, 382..450, 504..566,	514..573	

Seq. No.	57031	Seq. ID	OJ000103_08.0426.C3
Gene No.	119445	Strand	+
Start	1947	End	2664
Name	OJ000103_08.0426.C3.o1.ts	Method	TBLASTX:Soybean
Start	377	End	1233
GI	none	Score	339
Exons	377..595, 382..456, 488..592, 784..840, 823..891, 824..889,	593..784, 607..780, 782..841, 981..1190, 982..1233, 1114..1218	

Seq. No.	57031	Seq. ID	OJ000103_08.0426.C3
Gene No.	119445	Strand	+
Start	1947	End	2664
Name	OJ000103_08.0426.C3.o1.tw	Method	TBLASTX:Wheat
Start	578	End	1233
GI	none	Score	480
Exons	578..658, 580..891, 581..889,	981..1190, 982..1233	

Seq. No.	57031	Seq. ID	OJ000103_08.0426.C3
Gene No.	119445	Strand	+

Start	1947	End	2664
Name	OJ000103_08.0426.C3.o3.gp	Method	AAT/GAP
Start	1856	End	2664
GI	2655_1.R1084	Score	412
Exons	1856..2052, 2181..2286, 2638..2664		
GI Descrip.	'3334333/sp|O49044|SOD2_MESCR 1.0e-57 SUPEROXIDE DISMUTASE-2 [CU-ZN] >gi_2660798 (AF034832) cytosolic copper/zinc superoxide dismutase [Mesembryanthemum crystallinum]'		

Seq. No.	57031	Seq. ID	OJ000103_08.0426.C3
Gene No.	119445	Strand	+
Start	1947	End	2664
Name	OJ000103_08.0426.C3.o2.gs	Method	GENSCAN
Start	1947	End	2282
GI	none	Score	.85
Exons	1947..2052, 2181..2282		

Seq. No.	57031	Seq. ID	OJ000103_08.0426.C3
Gene No.	119445	Strand	+
Start	1947	End	2664
Name	OJ000103_08.0426.C3.o2.np	Method	AAT/NAP
Start	1959	End	2664
GI	3334333	Score	133
Exons	1959..2052, 2181..2286, 2589..2664		
GI Descrip.	SUPEROXIDE DISMUTASE [CU-ZN] 2 gi|2660798 (AF034832) cytosolic copper/zinc superoxide dismutase [Mesembryanthemum crystallinum]		

Seq. No.	57032	Seq. ID	OJ000103_08.0426.C4
Gene No.	119446	Strand	+
Start	357	End	3348
Name	OJ000103_08.0426.C4.o1.gp	Method	AAT/GAP
Start	357	End	2414
GI	2655_1.R1084	Score	988
Exons	357..455, 569..600, 693..768, 1852..1905, 2087..2414		
GI Descrip.	'3334333/sp|O49044|SOD2_MESCR 1.0e-57 SUPEROXIDE DISMUTASE-2 [CU-ZN] >gi_2660798 (AF034832) cytosolic copper/zinc superoxide dismutase [Mesembryanthemum crystallinum]'		

Seq. No.	57032	Seq. ID	OJ000103_08.0426.C4
Gene No.	119446	Strand	+
Start	357	End	3348
Name	OJ000103_08.0426.C4.o1.tc	Method	TBLASTX:Cress
Start	358	End	1909
GI	none	Score	130
Exons	358..444, 359..457, 567..608, 568..612, 692..775, 693..776, 1848..1907, 1850..1909		

Seq. No.	57032	Seq. ID	OJ000103_08.0426.C4
Gene No.	119446	Strand	+
Start	357	End	3348
Name	OJ000103_08.0426.C4.o1.tm	Method	TBLASTX:Maize
Start	358	End	777
GI	none	Score	94
Exons	358..456, 358..468, 359..457, 568..612, 687..776, 690..776, 691..777		

Seq. No.	57032	Seq. ID	OJ000103_08.0426.C4

Gene No.	119446	Strand	+
Start	357	End	3348
Name	OJ000103_08.0426.C4.o1.tw	Method	TBLASTX:Wheat
Start	358	End	1909
GI	none	Score	124
Exons	358..456, 359..457, 568..612, 689..775, 693..776, 1829..1909, 1848..1907		

Seq. No.	57032	Seq. ID	OJ000103_08.0426.C4
Gene No.	119446	Strand	+
Start	357	End	3348
Name	OJ000103_08.0426.C4.o1.ts	Method	TBLASTX:Soybean
Start	358	End	1909
GI	none	Score	147
Exons	358..456, 359..457, 567..605, 568..612, 690..776, 691..777, 1850..1909, 1851..1907		

Seq. No.	57032	Seq. ID	OJ000103_08.0426.C4
Gene No.	119446	Strand	+
Start	357	End	3348
Name	OJ000103_08.0426.C4.o1.np	Method	AAT/NAP
Start	359	End	1928
GI	134607	Score	241
Exons	359..474, 680..768, 1852..1928		
GI Descrip.	SUPEROXIDE DISMUTASE [CU-ZN] gi|85253|pir||S03606 superoxide dismutase (EC 1.15.1.1) (Cu-Zn) - fruit fly (Drosophila virilis) gi|9205|emb|CAA32060| (X13831) sod protein [Drosophila virilis]		

Seq. No.	57032	Seq. ID	OJ000103_08.0426.C4
Gene No.	119446	Strand	+
Start	357	End	3348
Name	OJ000103_08.0426.C4.o1.gs	Method	GENSCAN
Start	569	End	3348
GI	none	Score	.57
Exons	569..768, 1852..1905, 2645..2799, 3150..3348		

Seq. No.	57033	Seq. ID	OJ000103_08.0426.C5
Gene No.	119447	Strand	+
Start	519	End	2601
Name	OJ000103_08.0426.C5.o1.gs	Method	GENSCAN
Start	519	End	2601
GI	none	Score	.4
Exons	519..567, 2411..2601		

Seq. No.	57033	Seq. ID	OJ000103_08.0426.C5
Gene No.	119448	Strand	+
Start	3360	End	3757
Name	OJ000103_08.0426.C5.o1.gp	Method	AAT/GAP
Start	3360	End	3757
GI	uC-osroM202035d07a1	Score	788
Exons	3360..3757		
GI Descrip.	'2388560 5.0e-11 (AC000098) YUP8H12.1 [Arabidopsis thaliana]'		

Seq. No.	57033	Seq. ID	OJ000103_08.0426.C5
Gene No.	119449	Strand	-
Start	3221	End	5937
Name	OJ000103_08.0426.C5.o2.tm	Method	TBLASTX:Maize

Start	3004	End	3553
GI	none	Score	47
Exons	3004..3081, 3010..3036, 3098..3157, 3103..3144, 3269..3310, 3270..3308, 3320..3466, 3324..3380, 3326..3424, 3452..3553, 3456..3527		

Seq. No.	57033	Seq. ID	OJ000103_08.0426.C5
Gene No.	119449	Strand	-
Start	3221	End	5937
Name	OJ000103_08.0426.C5.o2.gs	Method	GENSCAN
Start	3221	End	5925
GI	none	Score	.98
Exons	3221..3967, 4054..4187, 4746..4834, 4926..4972, 5068..5156, 5603..5720, 5839..5925		

Seq. No.	57033	Seq. ID	OJ000103_08.0426.C5
Gene No.	119449	Strand	-
Start	3221	End	5937
Name	OJ000103_08.0426.C5.o1.np	Method	AAT/NAP
Start	3283	End	5937
GI	3935137	Score	605
Exons	3283..3967, 4112..4227, 4624..4707, 4746..4834, 4926..4972, 5068..5156, 5603..5720, 5839..5937		
GI Descrip.	(AC005106) T25N20.1 [Arabidopsis thaliana]		

Seq. No.	57033	Seq. ID	OJ000103_08.0426.C5
Gene No.	119449	Strand	-
Start	3221	End	5937
Name	OJ000103_08.0426.C5.o1.tm	Method	TBLASTX:Maize
Start	3770	End	4960
GI	none	Score	61
Exons	3770..3826, 3771..3806, 3833..3970, 3834..3971, 4016..4180, 4054..4209, 4135..4191, 4744..4830, 4745..4831, 4782..4832, 4925..4960		

Seq. No.	57033	Seq. ID	OJ000103_08.0426.C5
Gene No.	119449	Strand	-
Start	3221	End	5937
Name	OJ000103_08.0426.C5.o2.gp	Method	AAT/GAP
Start	4774	End	5937
GI	53812_1.R1084	Score	744
Exons	4774..4834, 4926..4972, 5068..5156, 5603..5720, 5839..5937		
GI Descrip.	'3935137 5.0e-41 (AC005106) T25N20.1 [Arabidopsis thaliana]'		

Seq. No.	57033	Seq. ID	OJ000103_08.0426.C5
Gene No.	119449	Strand	-
Start	3221	End	5937
Name	OJ000103_08.0426.C5.o3.tm	Method	TBLASTX:Maize
Start	5065	End	5932
GI	none	Score	53
Exons	5065..5112, 5113..5160, 5604..5672, 5605..5646, 5647..5724, 5649..5726, 5833..5931, 5840..5932		

Seq. No.	57034	Seq. ID	OJ000103_08.0426.C6
Gene No.	119450	Strand	+
Start	3206	End	14881
Name	OJ000103_08.0426.C6.o1.gs	Method	GENSCAN

Start	3206	End	6549
GI	none	Score	.6
Exons	3206..3214, 4774..4861, 5719..6268, 6340..6491, 6539..6549		

Seq. No.	57034	Seq. ID	OJ000103_08.0426.C6
Gene No.	119450	Strand	+
Start	3206	End	14881
Name	OJ000103_08.0426.C6.o1.np	Method	AAT/NAP
Start	6229	End	14881
GI	6907106	Score	395
Exons	6229..6334, 14061..14603, 14676..14881		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57034	Seq. ID	OJ000103_08.0426.C6
Gene No.	119451	Strand	+
Start	15029	End	15318
Name	OJ000103_08.0426.C6.o1.gp	Method	AAT/GAP
Start	15029	End	15318
GI	15591_1.R1084	Score	432
Exons	15029..15318		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-14 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	57034	Seq. ID	OJ000103_08.0426.C6
Gene No.	119452	Strand	+
Start	18546	End	20526
Name	OJ000103_08.0426.C6.o2.np	Method	AAT/NAP
Start	18546	End	20273
GI	4263707	Score	1926
Exons	18546..19395, 19429..20273		
GI Descrip.	(AC006223) 70kD heat shock protein [Arabidopsis thaliana]		

Seq. No.	57034	Seq. ID	OJ000103_08.0426.C6
Gene No.	119452	Strand	+
Start	18546	End	20526
Name	OJ000103_08.0426.C6.o2.gp	Method	AAT/GAP
Start	18639	End	19090
GI	2312484	Score	877
Exons	18639..19090		
GI Descrip.	4263707/gb|AAD15393| 5.0e-44 (AC006223) putative 70kD heat shock protein [Arabidopsis thaliana]		

Seq. No.	57034	Seq. ID	OJ000103_08.0426.C6
Gene No.	119452	Strand	+
Start	18546	End	20526
Name	OJ000103_08.0426.C6.o3.gp	Method	AAT/GAP
Start	19260	End	19823
GI	3760128	Score	1088
Exons	19260..19823		
GI Descrip.	4263707/gb|AAD15393| 8.0e-53 (AC006223) putative 70kD heat shock protein [Arabidopsis thaliana]		

Seq. No.	57034	Seq. ID	OJ000103_08.0426.C6
Gene No.	119452	Strand	+
Start	18546	End	20526
Name	OJ000103_08.0426.C6.o4.gp	Method	AAT/GAP

Start	19815	End	20526
GI	88764_1.R1084	Score	1258
Exons	19815..20526		
GI Descrip.	'4263707/gb|AAD15393| 8.0e-24 (AC006223) putative 70kD heat shock protein [Arabidopsis thaliana]'		

Seq. No.	57034	Seq. ID	OJ000103_08.0426.C6
Gene No.	119453	Strand	+
Start	22841	End	26030
Name	OJ000103_08.0426.C6.o4.gs	Method	GENSCAN
Start	22841	End	26030
GI	none	Score	.41
Exons	22841..22898, 24198..24567, 24645..24750, 25754..26030		

Seq. No.	57034	Seq. ID	OJ000103_08.0426.C6
Gene No.	119454	Strand	-
Start	7731	End	12146
Name	OJ000103_08.0426.C6.o2.gs	Method	GENSCAN
Start	7731	End	12146
GI	none	Score	.49
Exons	7731..7900, 7905..8041, 8076..8171, 8350..8696, 9959..10013, 10471..10567, 10627..10723, 11510..11662, 11726..11861, 11890..12146		

Seq. No.	57034	Seq. ID	OJ000103_08.0426.C6
Gene No.	119455	Strand	
Start	14314	End	14784
Name	OJ000103_08.0426.C6.o4.tm	Method	TBLASTX:Maize
Start	14314	End	14784
GI	none	Score	40
Exons	14314..14346, 14413..14517, 14438..14518, 14459..14602, 14516..14614, 14517..14714, 14616..14648, 14624..14677, 14651..14782, 14651..14716, 14675..14770, 14728..14781, 14743..14784, 14759..14782		

Seq. No.	57034	Seq. ID	OJ000103_08.0426.C6
Gene No.	119456	Strand	
Start	17446	End	20288
Name	OJ000103_08.0426.C6.o1.tw	Method	TBLASTX:Wheat
Start	17446	End	20126
GI	none	Score	91
Exons	17446..17484, 18627..18767, 18825..18887, 18842..18937, 18933..19169, 19052..19174, 19187..19225, 19225..19317, 19542..19799, 19556..19801, 19824..20126, 19844..20125		

Seq. No.	57034	Seq. ID	OJ000103_08.0426.C6
Gene No.	119456	Strand	
Start	17446	End	20288
Name	OJ000103_08.0426.C6.o2.ts	Method	TBLASTX:Soybean
Start	18543	End	19337
GI	none	Score	80
Exons	18543..18605, 18543..18617, 18588..18791, 18617..18772, 18768..19337, 18803..19336		

Seq. No.	57034	Seq. ID	OJ000103_08.0426.C6
Gene No.	119456	Strand	
Start	17446	End	20288

Name	OJ000103_08.0426.C6.o2.tm	Method	TBLASTX:Maize
Start	18567	End	19098
GI	none	Score	764
Exons	18567..19097, 18577..19098, 18602..19096		

Seq. No.	57034	Seq. ID	OJ000103_08.0426.C6
Gene No.	119456	Strand	
Start	17446	End	20288
Name	OJ000103_08.0426.C6.o1.tc	Method	TBLASTX:Cress
Start	18627	End	20126
GI	none	Score	91
Exons	18627..18767, 18825..19169, 19261..19317, 19542..19799, 19649..19801, 19824..20126, 19844..20125		

Seq. No.	57034	Seq. ID	OJ000103_08.0426.C6
Gene No.	119456	Strand	
Start	17446	End	20288
Name	OJ000103_08.0426.C6.o3.tm	Method	TBLASTX:Maize
Start	19287	End	19687
GI	none	Score	540
Exons	19287..19685, 19304..19687		

Seq. No.	57034	Seq. ID	OJ000103_08.0426.C6
Gene No.	119456	Strand	
Start	17446	End	20288
Name	OJ000103_08.0426.C6.o1.ts	Method	TBLASTX:Soybean
Start	19338	End	20272
GI	none	Score	277
Exons	19338..19646, 19338..19628, 19424..19648, 19638..19910, 19647..20141, 19649..20140, 20145..20219, 20146..20268, 20147..20272, 20148..20270		

Seq. No.	57034	Seq. ID	OJ000103_08.0426.C6
Gene No.	119456	Strand	
Start	17446	End	20288
Name	OJ000103_08.0426.C6.o1.tm	Method	TBLASTX:Maize
Start	19688	End	20288
GI	none	Score	874
Exons	19688..20278, 19689..20288		

Seq. No.	57035	Seq. ID	OJ000103_08.0426.C7
Gene No.	119457	Strand	+
Start	220	End	2929
Name	OJ000103_08.0426.C7.o1.np	Method	AAT/NAP
Start	220	End	2929
GI	5734440	Score	1504
Exons	220..431, 1710..1852, 1954..2929		
GI Descrip.	(AJ132224) hexose transporter [Lycopersicon esculentum]		

Seq. No.	57035	Seq. ID	OJ000103_08.0426.C7
Gene No.	119457	Strand	+
Start	220	End	2929
Name	OJ000103_08.0426.C7.o1.gs	Method	GENSCAN
Start	678	End	2925
GI	none	Score	.89
Exons	678..804, 1551..1590, 1708..1848, 1953..2925		

Seq. No.	57035	Seq. ID	OJ000103_08.0426.C7
Gene No.	119457	Strand	+
Start	220	End	2929
Name	OJ000103_08.0426.C7.o1.gp	Method	AAT/GAP
Start	1721	End	2159
GI	LIB3432-047-P2-K11-D7	Score	622
Exons	1721..1848, 1953..2159		
GI Descrip.	'3582000/emb|CAA09419.1| 2.0e-50 (AJ010942) hexose transporter protein [Lycopersicon esculentum]'		

Seq. No.	57035	Seq. ID	OJ000103_08.0426.C7
Gene No.	119458	Strand	-
Start	2450	End	3162
Name	OJ000103_08.0426.C7.o2.gp	Method	AAT/GAP
Start	2450	End	3162
GI	38010_1.R1084	Score	1314
Exons	2450..3162		
GI Descrip.	'3915039/sp|Q41144|STC_RICCO 3.0e-35 SUGAR CARRIER PROTEIN C >gi_169718 (L08196) sugar carrier protein [Ricinus communis]'		

Seq. No.	57035	Seq. ID	OJ000103_08.0426.C7
Gene No.	119459	Strand	-
Start	3845	End	5251
Name	OJ000103_08.0426.C7.o1.tc	Method	TBLASTX:Cress
Start	1705	End	2916
GI	none	Score	136
Exons	1705..1848, 1721..1849, 1963..2484, 1963..2388, 1965..2483, 2517..2816, 2518..2817, 2824..2916, 2826..2909		

Seq. No.	57035	Seq. ID	OJ000103_08.0426.C7
Gene No.	119459	Strand	-
Start	3845	End	5251
Name	OJ000103_08.0426.C7.o1.ts	Method	TBLASTX:Soybean
Start	1721	End	2885
GI	none	Score	190
Exons	1721..1843, 1723..1848, 1962..2885, 1963..2871		

Seq. No.	57035	Seq. ID	OJ000103_08.0426.C7
Gene No.	119459	Strand	-
Start	3845	End	5251
Name	OJ000103_08.0426.C7.o2.tm	Method	TBLASTX:Maize
Start	1771	End	2250
GI	none	Score	88
Exons	1771..1842, 1772..1843, 1954..2250, 1959..2249		

Seq. No.	57035	Seq. ID	OJ000103_08.0426.C7
Gene No.	119459	Strand	-
Start	3845	End	5251
Name	OJ000103_08.0426.C7.o2.tw	Method	TBLASTX:Wheat
Start	2181	End	2478
GI	none	Score	177
Exons	2181..2351, 2206..2361, 2221..2478		

Seq. No.	57035	Seq. ID	OJ000103_08.0426.C7
Gene No.	119459	Strand	-
Start	3845	End	5251
Name	OJ000103_08.0426.C7.o1.tm	Method	TBLASTX:Maize

Start	2253	End	2886
GI	none	Score	151
Exons	2253..2390, 2253..2870, 2254..2886		

Seq. No.	57035	Seq. ID	OJ000103_08.0426.C7
Gene No.	119459	Strand	-
Start	3845	End	5251
Name	OJ000103_08.0426.C7.o1.tw	Method	TBLASTX:Wheat
Start	2514	End	2873
GI	none	Score	341
Exons	2514..2873, 2515..2817		

Seq. No.	57035	Seq. ID	OJ000103_08.0426.C7
Gene No.	119459	Strand	-
Start	3845	End	5251
Name	OJ000103_08.0426.C7.o3.gp	Method	AAT/GAP
Start	3845	End	4686
GI	none	Score	848
Exons	3845..3883, 4244..4686		

Seq. No.	57035	Seq. ID	OJ000103_08.0426.C7
Gene No.	119459	Strand	-
Start	3845	End	5251
Name	OJ000103_08.0426.C7.o4.tm	Method	TBLASTX:Maize
Start	4303	End	4482
GI	none	Score	201
Exons	4303..4482, 4304..4474		

Seq. No.	57035	Seq. ID	OJ000103_08.0426.C7
Gene No.	119459	Strand	-
Start	3845	End	5251
Name	OJ000103_08.0426.C7.o2.gs	Method	GENSCAN
Start	4315	End	5175
GI	none	Score	.8
Exons	4315..4880, 5160..5175		

Seq. No.	57035	Seq. ID	OJ000103_08.0426.C7
Gene No.	119459	Strand	-
Start	3845	End	5251
Name	OJ000103_08.0426.C7.o2.tc	Method	TBLASTX:Cress
Start	4321	End	4608
GI	none	Score	138
Exons	4321..4608, 4325..4600		

Seq. No.	57035	Seq. ID	OJ000103_08.0426.C7
Gene No.	119459	Strand	-
Start	3845	End	5251
Name	OJ000103_08.0426.C7.o2.ts	Method	TBLASTX:Soybean
Start	4325	End	4638
GI	none	Score	148
Exons	4325..4609, 4333..4638		

Seq. No.	57035	Seq. ID	OJ000103_08.0426.C7
Gene No.	119459	Strand	-
Start	3845	End	5251
Name	OJ000103_08.0426.C7.o3.tm	Method	TBLASTX:Maize
Start	4522	End	5251

GI	none	Score	160
Exons	4522..4713, 4526..4771, 4534..4704, 4776..4880, 4777..4881, 4777..4902, 4778..4903, 5157..5246, 5161..5250, 5162..5251		
Seq. No.	57036	Seq. ID	OJ000103_08.0426.C8
Gene No.	119460	Strand	+
Start	2074	End	4563
Name	OJ000103_08.0426.C8.o1.np	Method	AAT/NAP
Start	2074	End	4563
GI	7301646	Score	74
Exons	2074..2510, 4543..4563		
GI Descrip.	(AE003763) CG5514 gene product [Drosophila melanogaster]		

Seq. No.	57036	Seq. ID	OJ000103_08.0426.C8
Gene No.	119461	Strand	-
Start	306	End	2570
Name	OJ000103_08.0426.C8.o1.gs	Method	GENSCAN
Start	306	End	2570
GI	none	Score	.45
Exons	306..2570		

Seq. No.	57036	Seq. ID	OJ000103_08.0426.C8
Gene No.	119462	Strand	-
Start	4156	End	4441
Name	OJ000103_08.0426.C8.o1.tm	Method	TBLASTX:Maize
Start	197	End	701
GI	none	Score	164
Exons	197..427, 198..428, 198..470, 444..701, 465..701		

Seq. No.	57036	Seq. ID	OJ000103_08.0426.C8
Gene No.	119462	Strand	-
Start	4156	End	4441
Name	OJ000103_08.0426.C8.o3.gs	Method	GENSCAN
Start	4156	End	4441
GI	none	Score	.63
Exons	4156..4299, 4400..4441		

Seq. No.	57037	Seq. ID	OJ000103_08.0426.C9
Gene No.	119463	Strand	+
Start	2206	End	2661
Name	OJ000103_08.0426.C9.o1.np	Method	AAT/NAP
Start	2206	End	2661
GI	5803254	Score	344
Exons	2206..2661		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	57037	Seq. ID	OJ000103_08.0426.C9
Gene No.	119464	Strand	-
Start	2118	End	5650
Name	OJ000103_08.0426.C9.o2.np	Method	AAT/NAP
Start	2118	End	5650
GI	5777623	Score	750
Exons	2118..2141, 3747..3921, 4183..4243, 4813..5286, 5467..5650		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	57038	Seq. ID	OJ000103_08.0426.C10
Gene No.	119465	Strand	+
Start	1	End	1104
Name	OJ000103_08.0426.C10.o1.np	Method	AAT/NAP
Start	1	End	1104
GI	5803254	Score	539
Exons	1..386, 476..681, 769..1104		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	57038	Seq. ID	OJ000103_08.0426.C10
Gene No.	119466	Strand	-
Start	901	End	1397
Name	OJ000103_08.0426.C10.o1.gp	Method	AAT/GAP
Start	901	End	1397
GI	uC-osflcyp134g08a1	Score	986
Exons	901..1397		
GI Descrip.	'5803254/dbj|BAA83564.1| 5.0e-11 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	57038	Seq. ID	OJ000103_08.0426.C10
Gene No.	119467	Strand	-
Start	2929	End	4934
Name	OJ000103_08.0426.C10.o2.np	Method	AAT/NAP
Start	2929	End	4934
GI	4115938	Score	33
Exons	2929..2997, 4597..4934		
GI Descrip.	(AF118223) contains similarity several bacterial glutathione-regulated potassium efflux system proteins [Arabidopsis thaliana]		

Seq. No.	57038	Seq. ID	OJ000103_08.0426.C10
Gene No.	119468	Strand	-
Start	6489	End	7816
Name	OJ000103_08.0426.C10.o1.tm	Method	TBLASTX:Maize
Start	38	End	831
GI	none	Score	156
Exons	38..241, 43..243, 80..250, 84..257, 293..379, 293..379, 490..558, 490..552, 572..643, 574..660, 579..647, 784..831		

Seq. No.	57038	Seq. ID	OJ000103_08.0426.C10
Gene No.	119468	Strand	-
Start	6489	End	7816
Name	OJ000103_08.0426.C10.o3.np	Method	AAT/NAP
Start	5734	End	7816
GI	2842424	Score	105
Exons	5734..5796, 5885..5999, 6054..6290, 6374..6515, 7743..7816		
GI Descrip.	(AJ223948) RNA helicase [Homo sapiens]		

Seq. No.	57038	Seq. ID	OJ000103_08.0426.C10
Gene No.	119468	Strand	-
Start	6489	End	7816
Name	OJ000103_08.0426.C10.o1.ts	Method	TBLASTX:Soybean
Start	6114	End	6514

GI	none	Score	80
Exons	6114..6296, 6127..6285, 6365..6421, 6378..6419, 6449..6514		

Seq. No.	57038	Seq. ID	OJ000103_08.0426.C10
Gene No.	119468	Strand	-
Start	6489	End	7816
Name	OJ000103_08.0426.C10.o2.gs	Method	GENSCAN
Start	6489	End	6950
GI	none	Score	.41
Exons	6489..6950		

Seq. No.	57039	Seq. ID	OJ000103_08.0426.C11
Gene No.	119469	Strand	-
Start	1	End	3356
Name	OJ000103_08.0426.C11.o1.np	Method	AAT/NAP
Start	1	End	3250
GI	6630696	Score	5587
Exons	1..3250		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	57039	Seq. ID	OJ000103_08.0426.C11
Gene No.	119469	Strand	-
Start	1	End	3356
Name	OJ000103_08.0426.C11.o5.tm	Method	TBLASTX:Maize
Start	1	End	290
GI	none	Score	112
Exons	1..165, 3..260, 3..290, 4..267		

Seq. No.	57039	Seq. ID	OJ000103_08.0426.C11
Gene No.	119469	Strand	-
Start	1	End	3356
Name	OJ000103_08.0426.C11.o2.tw	Method	TBLASTX:Wheat
Start	45	End	814
GI	none	Score	61
Exons	45..116, 270..476, 471..797, 634..759, 776..814		

Seq. No.	57039	Seq. ID	OJ000103_08.0426.C11
Gene No.	119469	Strand	-
Start	1	End	3356
Name	OJ000103_08.0426.C11.o3.ts	Method	TBLASTX:Soybean
Start	66	End	417
GI	none	Score	75
Exons	66..248, 69..257, 70..258, 253..417, 258..416		

Seq. No.	57039	Seq. ID	OJ000103_08.0426.C11
Gene No.	119469	Strand	-
Start	1	End	3356
Name	OJ000103_08.0426.C11.o2.tm	Method	TBLASTX:Maize
Start	351	End	779
GI	none	Score	62
Exons	351..779, 454..564, 600..680, 743..775		

Seq. No.	57039	Seq. ID	OJ000103_08.0426.C11
Gene No.	119469	Strand	-
Start	1	End	3356

Name	OJ000103_08.0426.C11.o1.ts	Method	TBLASTX:Soybean
Start	501	End	949
GI	5509260	Score	58
Exons	501..797, 600..740, 776..949, 780..854		
GI Descrip.	-		

Seq. No.	57039	Seq. ID	OJ000103_08.0426.C11
Gene No.	119469	Strand	-
Start	1	End	3356
Name	OJ000103_08.0426.C11.o1.tc	Method	TBLASTX:Cress
Start	597	End	856
GI	none	Score	106
Exons	597..803, 776..856		

Seq. No.	57039	Seq. ID	OJ000103_08.0426.C11
Gene No.	119469	Strand	-
Start	1	End	3356
Name	OJ000103_08.0426.C11.o1.tw	Method	TBLASTX:Wheat
Start	869	End	1616
GI	none	Score	189
Exons	869..1057, 873..1058, 1108..1605, 1118..1609, 1119..1616, 1209..1616		

Seq. No.	57039	Seq. ID	OJ000103_08.0426.C11
Gene No.	119469	Strand	-
Start	1	End	3356
Name	OJ000103_08.0426.C11.o2.ts	Method	TBLASTX:Soybean
Start	1274	End	1672
GI	none	Score	107
Exons	1274..1447, 1451..1672, 1455..1670		

Seq. No.	57039	Seq. ID	OJ000103_08.0426.C11
Gene No.	119469	Strand	-
Start	1	End	3356
Name	OJ000103_08.0426.C11.o3.tm	Method	TBLASTX:Maize
Start	1460	End	1924
GI	none	Score	82
Exons	1460..1924, 1467..1685		

Seq. No.	57039	Seq. ID	OJ000103_08.0426.C11
Gene No.	119469	Strand	-
Start	1	End	3356
Name	OJ000103_08.0426.C11.o4.tw	Method	TBLASTX:Wheat
Start	1617	End	1817
GI	none	Score	232
Exons	1617..1817, 1618..1809, 1619..1816		

Seq. No.	57039	Seq. ID	OJ000103_08.0426.C11
Gene No.	119469	Strand	-
Start	1	End	3356
Name	OJ000103_08.0426.C11.o1.tm	Method	TBLASTX:Maize
Start	2035	End	2379
GI	none	Score	373
Exons	2035..2076, 2105..2377, 2105..2377, 2106..2378, 2107..2379		

Seq. No.	57039	Seq. ID	OJ000103_08.0426.C11
Gene No.	119469	Strand	-

Start	1	End	3356
Name	OJ000103_08.0426.C11.o1.gp	Method	AAT/GAP
Start	2320	End	3208
GI	101595_1.R1084	Score	1431
Exons	2320..2394, 2510..3208		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	57039	Seq. ID	OJ000103_08.0426.C11
Gene No.	119469	Strand	-
Start	1	End	3356
Name	OJ000103_08.0426.C11.o4.tm	Method	TBLASTX:Maize
Start	2902	End	3208
GI	none	Score	113
Exons	2902..3054, 2905..3051, 2981..3058, 3056..3208, 3057..3161		

Seq. No.	57039	Seq. ID	OJ000103_08.0426.C11
Gene No.	119469	Strand	-
Start	1	End	3356
Name	OJ000103_08.0426.C11.o3.tw	Method	TBLASTX:Wheat
Start	2961	End	3356
GI	none	Score	104
Exons	2961..3050, 2962..3057, 2962..3057, 3051..3170, 3056..3244, 3221..3355, 3258..3356		

Seq. No.	57040	Seq. ID	OJ000103_08.0426.C13
Gene No.	119470	Strand	+
Start	1	End	812
Name	OJ000103_08.0426.C13.o1.np	Method	AAT/NAP
Start	1	End	812
GI	6466960	Score	427
Exons	1..23, 315..812		
GI Descrip.	(AC009176) unknown protein [Arabidopsis thaliana] gi|6648190|gb|AAF21188.1|AC013483_12 (AC013483) unknown protein [Arabidopsis thaliana]		

Seq. No.	57040	Seq. ID	OJ000103_08.0426.C13
Gene No.	119470	Strand	+
Start	1	End	812
Name	OJ000103_08.0426.C13.o1.tc	Method	TBLASTX:Cress
Start	185	End	748
GI	none	Score	473
Exons	185..748, 349..684		

Seq. No.	57040	Seq. ID	OJ000103_08.0426.C13
Gene No.	119470	Strand	+
Start	1	End	812
Name	OJ000103_08.0426.C13.o1.tm	Method	TBLASTX:Maize
Start	185	End	811
GI	none	Score	597
Exons	185..811, 274..807		

Seq. No.	57040	Seq. ID	OJ000103_08.0426.C13
Gene No.	119470	Strand	+
Start	1	End	812
Name	OJ000103_08.0426.C13.o1.ts	Method	TBLASTX:Soybean
Start	280	End	811

GI	none	Score	519
Exons	280..711, 281..712, 474..728,	713..802,	716..811, 736..807

Seq. No.	57040	Seq. ID	OJ000103_08.0426.C13
Gene No.	119470	Strand	+
Start	1	End	812
Name	OJ000103_08.0426.C13.o1.tw	Method	TBLASTX:Wheat
Start	656	End	811
GI	none	Score	171
Exons	656..811, 664..807		

Seq. No.	57041	Seq. ID	OJ000103_08.0426.C14
Gene No.	119471	Strand	-
Start	1	End	1609
Name	OJ000103_08.0426.C14.o1.np	Method	AAT/NAP
Start	1	End	1609
GI	7446741	Score	553
Exons	1..88, 392..722, 1498..1609		
GI Descrip.	probable hexose transport protein F9D12.17 - Arabidopsis thaliana gi|3319354|gb|AAC26243.1| (AF077407) contains similarity to sugar transporters (Pfam: sugar_tr.hmm, score: 395.39) [Arabidopsis thaliana]		

Seq. No.	57041	Seq. ID	OJ000103_08.0426.C14
Gene No.	119471	Strand	-
Start	1	End	1609
Name	OJ000103_08.0426.C14.o1.gs	Method	GENSCAN
Start	286	End	1546
GI	none	Score	.74
Exons	286..722, 1498..1546		

Seq. No.	57041	Seq. ID	OJ000103_08.0426.C14
Gene No.	119471	Strand	-
Start	1	End	1609
Name	OJ000103_08.0426.C14.o1.tc	Method	TBLASTX:Cress
Start	400	End	1588
GI	none	Score	107
Exons	400..723, 407..511, 674..751,	1496..1588,	1497..1574

Seq. No.	57041	Seq. ID	OJ000103_08.0426.C14
Gene No.	119471	Strand	-
Start	1	End	1609
Name	OJ000103_08.0426.C14.o1.ts	Method	TBLASTX:Soybean
Start	400	End	1604
GI	none	Score	143
Exons	400..648, 407..523, 590..622, 1497..1604	649..723,	674..724, 1496..1603,

Seq. No.	57041	Seq. ID	OJ000103_08.0426.C14
Gene No.	119471	Strand	-
Start	1	End	1609
Name	OJ000103_08.0426.C14.o1.tm	Method	TBLASTX:Maize
Start	491	End	1601
GI	none	Score	43
Exons	491..514, 493..516, 553..723, 1497..1601	590..724,	673..726, 1496..1600,

Seq. No.	57042	Seq. ID	OJ000113_08.0426.C1
Gene No.	119472	Strand	+
Start	6004	End	6800
Name	OJ000113_08.0426.C1.o2.np	Method	AAT/NAP
Start	6004	End	6800
GI	4512231	Score	1239
Exons	6004..6800		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	57042	Seq. ID	OJ000113_08.0426.C1
Gene No.	119473	Strand	+
Start	7082	End	8187
Name	OJ000113_08.0426.C1.o3.np	Method	AAT/NAP
Start	7082	End	8187
GI	6983860	Score	1762
Exons	7082..8187		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	57042	Seq. ID	OJ000113_08.0426.C1
Gene No.	119474	Strand	-
Start	3076	End	4579
Name	OJ000113_08.0426.C1.o1.np	Method	AAT/NAP
Start	3076	End	4579
GI	5852179	Score	262
Exons	3076..3164, 3268..3460, 3535..3735, 4559..4579		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	57042	Seq. ID	OJ000113_08.0426.C1
Gene No.	119475	Strand	-
Start	5196	End	5386
Name	OJ000113_08.0426.C1.o1.gp	Method	AAT/GAP
Start	5196	End	5386
GI	LIB3433-026-P1-K1-C1	Score	248
Exons	5196..5386		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	57042	Seq. ID	OJ000113_08.0426.C1
Gene No.	119476	Strand	-
Start	8306	End	9766
Name	OJ000113_08.0426.C1.o3.tw	Method	TBLASTX:Wheat
Start	7249	End	7447
GI	none	Score	192
Exons	7249..7446, 7265..7447		

Seq. No.	57042	Seq. ID	OJ000113_08.0426.C1
Gene No.	119476	Strand	-
Start	8306	End	9766
Name	OJ000113_08.0426.C1.o1.tm	Method	TBLASTX:Maize
Start	7499	End	7837
GI	none	Score	248
Exons	7499..7837, 7502..7708		

Seq. No.	57042	Seq. ID	OJ000113_08.0426.C1
Gene No.	119476	Strand	-
Start	8306	End	9766

Name	OJ000113_08.0426.C1.o1.tw	Method	TBLASTX:Wheat
Start	7499	End	7849
GI	none	Score	316
Exons	7499..7849		

Seq. No.	57042	Seq. ID	OJ000113_08.0426.C1
Gene No.	119476	Strand	-
Start	8306	End	9766
Name	OJ000113_08.0426.C1.o2.tw	Method	TBLASTX:Wheat
Start	8015	End	8389
GI	none	Score	62
Exons	8015..8062, 8135..8389, 8167..8388		

Seq. No.	57042	Seq. ID	OJ000113_08.0426.C1
Gene No.	119476	Strand	-
Start	8306	End	9766
Name	OJ000113_08.0426.C1.o4.np	Method	AAT/NAP
Start	8306	End	9766
GI	6721516	Score	181
Exons	8306..8336, 9514..9766		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	57042	Seq. ID	OJ000113_08.0426.C1
Gene No.	119476	Strand	-
Start	8306	End	9766
Name	OJ000113_08.0426.C1.o2.gs	Method	GENSCAN
Start	8632	End	9740
GI	none	Score	.56
Exons	8632..8787, 9615..9740		

Seq. No.	57043	Seq. ID	OJ000113_08.0426.C2
Gene No.	119477	Strand	+
Start	65	End	2268
Name	OJ000113_08.0426.C2.o1.gs	Method	GENSCAN
Start	65	End	2268
GI	none	Score	.83
Exons	65..197, 616..708, 845..989, 1331..2268		

Seq. No.	57043	Seq. ID	OJ000113_08.0426.C2
Gene No.	119478	Strand	+
Start	2693	End	3177
Name	OJ000113_08.0426.C2.o4.np	Method	AAT/NAP
Start	2693	End	3177
GI	7489803	Score	438
Exons	2693..3177		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi|3645899|gb|AAC49502.1| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	57043	Seq. ID	OJ000113_08.0426.C2
Gene No.	119479	Strand	-
Start	151	End	3034
Name	OJ000113_08.0426.C2.o1.np	Method	AAT/NAP
Start	151	End	1810
GI	6721516	Score	324
Exons	151..396, 1639..1810		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	57043	Seq. ID	OJ000113_08.0426.C2
Gene No.	119479	Strand	-
Start	151	End	3034
Name	OJ000113_08.0426.C2.o1.ts	Method	TBLASTX:Soybean
Start	688	End	2863
GI	none	Score	71
Exons	688..786, 869..1201, 2611..2673, 2722..2769, 2729..2761, 2812..2856, 2813..2863		

Seq. No.	57043	Seq. ID	OJ000113_08.0426.C2
Gene No.	119479	Strand	-
Start	151	End	3034
Name	OJ000113_08.0426.C2.o1.tm	Method	TBLASTX:Maize
Start	2581	End	2997
GI	none	Score	105
Exons	2581..2673, 2583..2675, 2702..2965, 2710..2778, 2806..2997		

Seq. No.	57043	Seq. ID	OJ000113_08.0426.C2
Gene No.	119479	Strand	-
Start	151	End	3034
Name	OJ000113_08.0426.C2.o1.tw	Method	TBLASTX:Wheat
Start	2726	End	3034
GI	none	Score	217
Exons	2726..3034, 2731..2952		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119480	Strand	+
Start	1	End	2410
Name	OJ000113_08.0426.C3.o1.np	Method	AAT/NAP
Start	1	End	2410
GI	4416302	Score	2701
Exons	1..2410		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119481	Strand	+
Start	4866	End	23179
Name	OJ000113_08.0426.C3.o4.np	Method	AAT/NAP
Start	4866	End	23179
GI	7340868	Score	169
Exons	4866..4937, 8872..8996, 9155..9447, 15203..15303, 16438..16514, 22997..23179		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119481	Strand	+
Start	4866	End	23179
Name	OJ000113_08.0426.C3.o3.np	Method	AAT/NAP
Start	10216	End	14997
GI	2708484	Score	1443
Exons	10216..10319, 10426..10535, 10685..10783, 10864..10920, 11105..11260, 11348..11432, 11542..11632, 12068..12232, 12312..12431, 12735..12810, 12897..13733, 13924..14231, 14352..14485, 14588..14778, 14876..14997		
GI Descrip.	(U79557) IAA24 [Arabidopsis thaliana]		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119482	Strand	-
Start	2362	End	10942
Name	OJ000113_08.0426.C3.o2.np	Method	AAT/NAP
Start	2362	End	10942
GI	6721516	Score	624
Exons	2362..2455, 3140..3303, 6507..6760, 7171..7426, 10918..10942		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119483	Strand	-
Start	16050	End	19370
Name	OJ000113_08.0426.C3.o3.gs	Method	GENSCAN
Start	16050	End	19370
GI	none	Score	.46
Exons	16050..16183, 16316..16759, 16818..17529, 18294..18679, 19128..19169, 19250..19370		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o2.tm	Method	TBLASTX:Maize
Start	7	End	691
GI	none	Score	117
Exons	7..381, 45..266, 46..540, 47..580, 50..580, 589..690, 593..691, 641..679		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o3.ts	Method	TBLASTX:Soybean
Start	71	End	532
GI	none	Score	338
Exons	71..532, 100..261, 101..262, 328..444		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o3.tc	Method	TBLASTX:Cress
Start	113	End	529
GI	none	Score	211
Exons	113..529		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o3.tw	Method	TBLASTX:Wheat
Start	131	End	295
GI	none	Score	210
Exons	131..295, 145..288, 149..292		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o4.tw	Method	TBLASTX:Wheat
Start	314	End	655
GI	none	Score	96

Exons	314..400, 398..541, 407..544, 566..655, 592..645		
Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o5.tm	Method	TBLASTX:Maize
Start	749	End	1039
GI	none	Score	296
Exons	749..1000, 772..999, 989..1039, 991..1038		
Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o1.ts	Method	TBLASTX:Soybean
Start	767	End	1380
GI	5509260	Score	715
Exons	767..1375, 862..1380, 1294..1380		
GI Descrip.	-		
Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o1.tw	Method	TBLASTX:Wheat
Start	896	End	1372
GI	none	Score	84
Exons	896..985, 992..1018, 1009..1362, 1019..1366, 1025..1153, 1027..1365, 1196..1372		
Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o4.tc	Method	TBLASTX:Cress
Start	988	End	1261
GI	none	Score	195
Exons	988..1131, 989..1261		
Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o4.tm	Method	TBLASTX:Maize
Start	1040	End	1507
GI	none	Score	571
Exons	1040..1507, 1040..1159, 1042..1485, 1193..1498		
Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o8.tm	Method	TBLASTX:Maize
Start	1553	End	1741
GI	none	Score	243
Exons	1553..1741, 1564..1701, 1644..1724		
Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o2.tw	Method	TBLASTX:Wheat
Start	1556	End	1987

GI	none	Score	105
Exons	1556..1717, 1730..1987		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o1.tm	Method	TBLASTX:Maize
Start	1742	End	2463
GI	none	Score	905
Exons	1742..2404, 1744..2418, 2305..2463, 2307..2429		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o2.ts	Method	TBLASTX:Soybean
Start	1751	End	2392
GI	none	Score	301
Exons	1751..2134, 1756..2127, 1763..2134, 2168..2392, 2176..2343		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o2.tc	Method	TBLASTX:Cress
Start	1931	End	2389
GI	none	Score	72
Exons	1931..2026, 2027..2158, 2144..2389, 2170..2337		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o5.tw	Method	TBLASTX:Wheat
Start	2027	End	2356
GI	none	Score	101
Exons	2027..2149, 2044..2145, 2168..2356, 2224..2343, 2225..2344		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o6.tm	Method	TBLASTX:Maize
Start	10391	End	11603
GI	none	Score	164
Exons	10391..10537, 10395..10538, 10682..10792, 10864..10917, 11149..11253, 11150..11260, 11152..11262, 11322..11432, 11332..11433, 11348..11449, 11523..11585, 11534..11596, 11541..11603		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o1.tc	Method	TBLASTX:Cress
Start	10395	End	14963
GI	none	Score	188
Exons	10395..10538, 10433..10537, 10682..10783, 10721..10783, 10863..10934, 10864..10935, 11104..11253, 11105..11260, 11111..11260, 11112..11261, 11113..11262, 11347..11433, 11348..11449, 11540..11632, 11541..11642, 12053..12232, 12055..12123, 12066..12233, 12309..12365, 12310..12360,		

12370..12438, 12375..12431, 12732..12812, 12733..12813,
12893..13009, 12897..13028, 14587..14778, 14588..14779,
14717..14782, 14871..14963

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o4.ts	Method	TBLASTX:Soybean
Start	10742	End	11588
GI	none	Score	64
Exons	10742..10783, 10864..10914, 11149..11262, 11150..11260, 11332..11433, 11348..11449, 11534..11587, 11541..11588		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o9.tm	Method	TBLASTX:Maize
Start	12066	End	12959
GI	none	Score	160
Exons	12066..12233, 12069..12233, 12083..12247, 12310..12366, 12315..12359, 12376..12438, 12379..12423, 12733..12813, 12897..12959		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o6.ts	Method	TBLASTX:Soybean
Start	12068	End	12959
GI	none	Score	140
Exons	12068..12247, 12087..12233, 12309..12431, 12310..12438, 12732..12803, 12733..12813, 12893..12958, 12897..12959		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o10.tm	Method	TBLASTX:Maize
Start	13415	End	13674
GI	none	Score	194
Exons	13415..13627, 13417..13623, 13422..13640, 13627..13674		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o3.tm	Method	TBLASTX:Maize
Start	13726	End	14402
GI	none	Score	42
Exons	13726..13767, 13749..13940, 13775..14137, 13778..14137, 14135..14227, 14142..14204, 14152..14220, 14269..14400, 14270..14401, 14270..14401, 14271..14402		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o5.ts	Method	TBLASTX:Soybean
Start	14462	End	14948
GI	none	Score	37
Exons	14462..14488, 14580..14777, 14581..14709, 14582..14779,		

14618..14779, 14876..14947, 14877..14948

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o7.tm	Method	TBLASTX:Maize
Start	14584	End	14963
GI	none	Score	210
Exons	14584..14712, 14588..14779, 14615..14779, 14871..14963		

Seq. No.	57044	Seq. ID	OJ000113_08.0426.C3
Gene No.	119484	Strand	-
Start	20824	End	23524
Name	OJ000113_08.0426.C3.o4.gs	Method	GENSCAN
Start	20824	End	23524
GI	none	Score	.5
Exons	20824..21405, 21739..21876, 23211..23524		

Seq. No.	57045	Seq. ID	OJ000113_08.0426.C4
Gene No.	119485	Strand	+
Start	1	End	1434
Name	OJ000113_08.0426.C4.o1.np	Method	AAT/NAP
Start	1	End	1434
GI	5042463	Score	400
Exons	1..21, 248..439, 1149..1304, 1351..1434		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	57045	Seq. ID	OJ000113_08.0426.C4
Gene No.	119486	Strand	+
Start	3971	End	6236
Name	OJ000113_08.0426.C4.o2.np	Method	AAT/NAP
Start	3971	End	6236
GI	4406814	Score	368
Exons	3971..4205, 6115..6236		
GI Descrip.	(AC006201) putative peptidyl-prolyl cis-trans isomerase [Arabidopsis thaliana]		

Seq. No.	57045	Seq. ID	OJ000113_08.0426.C4
Gene No.	119487	Strand	+
Start	6858	End	7098
Name	OJ000113_08.0426.C4.o2.gp	Method	AAT/GAP
Start	6858	End	7098
GI	2442637	Score	445
Exons	6858..7098		

Seq. No.	57045	Seq. ID	OJ000113_08.0426.C4
Gene No.	119488	Strand	+
Start	7547	End	8670
Name	OJ000113_08.0426.C4.o3.gp	Method	AAT/GAP
Start	7547	End	8670
GI	3107515	Score	655
Exons	7547..7760, 8537..8670		

Seq. No.	57045	Seq. ID	OJ000113_08.0426.C4
Gene No.	119489	Strand	+
Start	9029	End	10388
Name	OJ000113_08.0426.C4.o4.gp	Method	AAT/GAP

Start	9029	End	10388
GI	none	Score	1165
Exons	9029..9110, 9189..9388, 9898..10023, 10124..10388		

Seq. No.	57045	Seq. ID	OJ000113_08.0426.C4
Gene No.	119490	Strand	+
Start	12210	End	12909
Name	OJ000113_08.0426.C4.o2.gs	Method	GENSCAN
Start	12210	End	12909
GI	none	Score	.41
Exons	12210..12354, 12557..12909		

Seq. No.	57045	Seq. ID	OJ000113_08.0426.C4
Gene No.	119491	Strand	-
Start	14132	End	14407
Name	OJ000113_08.0426.C4.o2.ts	Method	TBLASTX:Soybean
Start	3961	End	6233
GI	none	Score	236
Exons	3961..4068, 3962..4213, 4123..4206, 6113..6232, 6114..6233		

Seq. No.	57045	Seq. ID	OJ000113_08.0426.C4
Gene No.	119491	Strand	-
Start	14132	End	14407
Name	OJ000113_08.0426.C4.o3.tm	Method	TBLASTX:Maize
Start	3979	End	6365
GI	none	Score	254
Exons	3979..4206, 3980..4213, 6113..6247, 6114..6242, 6115..6249, 6321..6365		

Seq. No.	57045	Seq. ID	OJ000113_08.0426.C4
Gene No.	119491	Strand	-
Start	14132	End	14407
Name	OJ000113_08.0426.C4.o3.tc	Method	TBLASTX:Cress
Start	3986	End	6247
GI	none	Score	219
Exons	3986..4213, 3994..4206, 6113..6247, 6114..6239		

Seq. No.	57045	Seq. ID	OJ000113_08.0426.C4
Gene No.	119491	Strand	-
Start	14132	End	14407
Name	OJ000113_08.0426.C4.o2.tm	Method	TBLASTX:Maize
Start	7658	End	9095
GI	none	Score	138
Exons	7658..7750, 7659..7772, 7659..7766, 8534..8701, 8536..8703, 8585..8704, 8863..8943, 8864..8944, 8872..8946, 8879..8944, 8915..9094, 8934..9095		

Seq. No.	57045	Seq. ID	OJ000113_08.0426.C4
Gene No.	119491	Strand	-
Start	14132	End	14407
Name	OJ000113_08.0426.C4.o2.tc	Method	TBLASTX:Cress
Start	8540	End	9226
GI	none	Score	88
Exons	8540..8686, 8864..9112, 8881..9114, 9172..9225, 9185..9226		

Seq. No.	57045	Seq. ID	OJ000113_08.0426.C4
Gene No.	119491	Strand	-

Start	14132	End	14407
Name	OJ000113_08.0426.C4.o1.ts	Method	TBLASTX:Soybean
Start	8864	End	10263
GI	none	Score	126
Exons	8864..8962, 8872..8961, 8986..9114, 8990..9112, 9187..9381, 9188..9388, 9188..9388, 9252..9398, 9897..10025, 9897..10028, 9898..10035, 10121..10225, 10123..10221, 10132..10263, 10137..10229		

Seq. No.	57045	Seq. ID	OJ000113_08.0426.C4
Gene No.	119491	Strand	-
Start	14132	End	14407
Name	OJ000113_08.0426.C4.o1.tc	Method	TBLASTX:Cress
Start	9251	End	10222
GI	none	Score	189
Exons	9251..9388, 9274..9387, 9278..9394, 9279..9395, 9280..9396, 9877..10020, 9894..10028, 9898..10035, 10103..10207, 10121..10222, 10126..10215		

Seq. No.	57045	Seq. ID	OJ000113_08.0426.C4
Gene No.	119491	Strand	-
Start	14132	End	14407
Name	OJ000113_08.0426.C4.o1.tm	Method	TBLASTX:Maize
Start	9353	End	10231
GI	none	Score	66
Exons	9353..9388, 9896..10006, 9897..10034, 9898..10035, 10115..10222, 10121..10231		

Seq. No.	57045	Seq. ID	OJ000113_08.0426.C4
Gene No.	119491	Strand	-
Start	14132	End	14407
Name	OJ000113_08.0426.C4.o3.gs	Method	GENSCAN
Start	14132	End	14407
GI	none	Score	.42
Exons	14132..14407		

Seq. No.	57046	Seq. ID	OJ000113_08.0426.C5
Gene No.	119492	Strand	+
Start	112	End	1992
Name	OJ000113_08.0426.C5.o1.np	Method	AAT/NAP
Start	112	End	1992
GI	4090200	Score	280
Exons	112..482, 1966..1992		
GI Descrip.	(AJ012310) WUSCHEL protein [Arabidopsis thaliana]		

Seq. No.	57046	Seq. ID	OJ000113_08.0426.C5
Gene No.	119492	Strand	+
Start	112	End	1992
Name	OJ000113_08.0426.C5.o1.gs	Method	GENSCAN
Start	127	End	1176
GI	none	Score	.82
Exons	127..159, 252..510, 612..733, 814..1176		

Seq. No.	57046	Seq. ID	OJ000113_08.0426.C5
Gene No.	119493	Strand	+
Start	6498	End	6830
Name	OJ000113_08.0426.C5.o3.gs	Method	GENSCAN

Start	6498	End	6830
GI	none	Score	.78
Exons	6498..6830		

Seq. No.	57046	Seq. ID	OJ000113_08.0426.C5
Gene No.	119493	Strand	+
Start	6498	End	6830
Name	OJ000113_08.0426.C5.o3.np	Method	AAT/NAP
Start	6498	End	6827
GI	7486045	Score	624
Exons	6498..6827		
GI Descrip.	hypothetical protein F23F1.8 - Arabidopsis thaliana gi|3420051|gb|AAC31852.1| (AC004680) unknown protein [Arabidopsis thaliana]		

Seq. No.	57046	Seq. ID	OJ000113_08.0426.C5
Gene No.	119494	Strand	-
Start	533	End	5203
Name	OJ000113_08.0426.C5.o2.tc	Method	TBLASTX:Cress
Start	209	End	416
GI	none	Score	301
Exons	209..391, 210..416, 310..393		

Seq. No.	57046	Seq. ID	OJ000113_08.0426.C5
Gene No.	119494	Strand	-
Start	533	End	5203
Name	OJ000113_08.0426.C5.o2.ts	Method	TBLASTX:Soybean
Start	215	End	416
GI	none	Score	74
Exons	215..274, 216..275, 267..416, 278..385		

Seq. No.	57046	Seq. ID	OJ000113_08.0426.C5
Gene No.	119494	Strand	-
Start	533	End	5203
Name	OJ000113_08.0426.C5.o2.np	Method	AAT/NAP
Start	533	End	4752
GI	6648198	Score	380
Exons	533..553, 2507..2576, 2900..2999, 4343..4448, 4560..4752		
GI Descrip.	(AC013483) unknown protein [Arabidopsis thaliana]		

Seq. No.	57046	Seq. ID	OJ000113_08.0426.C5
Gene No.	119494	Strand	-
Start	533	End	5203
Name	OJ000113_08.0426.C5.o2.gs	Method	GENSCAN
Start	2481	End	5203
GI	none	Score	.75
Exons	2481..2576, 2900..2999, 4343..4448, 4560..4876, 5100..5203		

Seq. No.	57046	Seq. ID	OJ000113_08.0426.C5
Gene No.	119495	Strand	
Start	6473	End	6899
Name	OJ000113_08.0426.C5.o1.tm	Method	TBLASTX:Maize
Start	6473	End	6899
GI	none	Score	414
Exons	6473..6877, 6479..6847, 6480..6899		

Seq. No.	57046	Seq. ID	OJ000113_08.0426.C5

Gene No.	119495	Strand	
Start	6473	End	6899
Name	OJ000113_08.0426.C5.o1.ts	Method	TBLASTX:Soybean
Start	6476	End	6782
GI	none	Score	268
Exons	6476..6763, 6496..6663, 6497..6781, 6498..6782		

Seq. No.	57046	Seq. ID	OJ000113_08.0426.C5
Gene No.	119495	Strand	
Start	6473	End	6899
Name	OJ000113_08.0426.C5.o1.tc	Method	TBLASTX:Cress
Start	6519	End	6847
GI	none	Score	126
Exons	6519..6614, 6539..6613, 6541..6624, 6610..6669, 6611..6847, 6612..6830		

Seq. No.	57047	Seq. ID	OJ000113_08.0426.C6
Gene No.	119496	Strand	+
Start	1842	End	3929
Name	OJ000113_08.0426.C6.o1.gs	Method	GENSCAN
Start	1842	End	3361
GI	none	Score	.99
Exons	1842..2051, 2137..2261, 2347..3361		

Seq. No.	57047	Seq. ID	OJ000113_08.0426.C6
Gene No.	119496	Strand	+
Start	1842	End	3929
Name	OJ000113_08.0426.C6.o1.np	Method	AAT/NAP
Start	1842	End	3929
GI	6562270	Score	128
Exons	1842..2051, 2134..2261, 2347..2621, 2652..2702, 3888..3929		
GI Descrip.	(AL132980) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	57047	Seq. ID	OJ000113_08.0426.C6
Gene No.	119496	Strand	+
Start	1842	End	3929
Name	OJ000113_08.0426.C6.o1.gp	Method	AAT/GAP
Start	2562	End	3011
GI	LIB3431-023-P1-K1-B10	Score	839
Exons	2562..3011		
GI Descrip.	'20153/emb|X57919|OS12RG14R 8.0e-83 O.sativa random single-copy DNA fragment 12RG143R'		

Seq. No.	57047	Seq. ID	OJ000113_08.0426.C6
Gene No.	119497	Strand	-
Start	3109	End	3533
Name	OJ000113_08.0426.C6.o1.tm	Method	TBLASTX:Maize
Start	1831	End	2220
GI	none	Score	213
Exons	1831..2043, 1833..2054, 1841..2047, 2134..2217, 2154..2219, 2155..2220		

Seq. No.	57047	Seq. ID	OJ000113_08.0426.C6
Gene No.	119497	Strand	-
Start	3109	End	3533
Name	OJ000113_08.0426.C6.o1.ts	Method	TBLASTX:Soybean
Start	1831	End	2048

GI	none	Score	72
Exons	1831..2037, 1832..2047, 1833..2048		
Seq. No.	57047	Seq. ID	OJ000113_08.0426.C6
Gene No.	119497	Strand	-
Start	3109	End	3533
Name	OJ000113_08.0426.C6.o2.tm	Method	TBLASTX:Maize
Start	2918	End	3502
GI	none	Score	113
Exons	2918..2971, 2939..3076, 2968..3081, 2970..3164, 3077..3169, 3088..3168, 3164..3322, 3164..3283, 3169..3288, 3302..3373, 3361..3402, 3362..3400, 3363..3401, 3449..3502		
Seq. No.	57047	Seq. ID	OJ000113_08.0426.C6
Gene No.	119497	Strand	-
Start	3109	End	3533
Name	OJ000113_08.0426.C6.o2.gp	Method	AAT/GAP
Start	3109	End	3533
GI	none	Score	819
Exons	3109..3533		
Seq. No.	57048	Seq. ID	OJ000113_08.0426.C7
Gene No.	119498	Strand	+
Start	538	End	1259
Name	OJ000113_08.0426.C7.o1.gs	Method	GENSCAN
Start	538	End	1259
GI	none	Score	.46
Exons	538..553, 1030..1259		
Seq. No.	57048	Seq. ID	OJ000113_08.0426.C7
Gene No.	119499	Strand	-
Start	2255	End	2522
Name	OJ000113_08.0426.C7.o1.gp	Method	AAT/GAP
Start	2255	End	2521
GI	none	Score	375
Exons	2255..2521		
Seq. No.	57048	Seq. ID	OJ000113_08.0426.C7
Gene No.	119499	Strand	-
Start	2255	End	2522
Name	OJ000113_08.0426.C7.o2.gp	Method	AAT/GAP
Start	2334	End	2522
GI	1632034	Score	296
Exons	2334..2522		
Seq. No.	57049	Seq. ID	OJ000113_08.0426.C8
Gene No.	119500	Strand	+
Start	2884	End	2998
Name	OJ000113_08.0426.C8.o3.gp	Method	AAT/GAP
Start	2884	End	2998
GI	none	Score	197
Exons	2884..2998		
Seq. No.	57049	Seq. ID	OJ000113_08.0426.C8
Gene No.	119501	Strand	-
Start	1	End	6624
Name	OJ000113_08.0426.C8.o1.np	Method	AAT/NAP

Start	1	End	2173
GI	7262680	Score	99
Exons	1..67, 1296..1489, 1973..2173		
GI Descrip.	(AC012188) Strong similarity to an unknown protein from Arabidopsis thaliana gb|AC002521.2 and contains IQ calmodulin-binding PF|00612 motifs. ESTs gb|AA395022, gb|T41893 come from this gene		

Seq. No.	57049	Seq. ID	OJ000113_08.0426.C8
Gene No.	119501	Strand	-
Start	1	End	6624
Name	OJ000113_08.0426.C8.o2.tm	Method	TBLASTX:Maize
Start	16	End	333
GI	none	Score	76
Exons	16..75, 17..79, 18..80, 28..84, 65..106, 66..110, 67..111, 67..132, 110..331, 111..332, 112..333		

Seq. No.	57049	Seq. ID	OJ000113_08.0426.C8
Gene No.	119501	Strand	-
Start	1	End	6624
Name	OJ000113_08.0426.C8.o1.gp	Method	AAT/GAP
Start	47	End	933
GI	none	Score	1653
Exons	47..933		

Seq. No.	57049	Seq. ID	OJ000113_08.0426.C8
Gene No.	119501	Strand	-
Start	1	End	6624
Name	OJ000113_08.0426.C8.o1.gs	Method	GENSCAN
Start	220	End	6624
GI	none	Score	.72
Exons	220..839, 893..1448, 1533..1589, 2283..2996, 4465..4648, 4960..5093, 6378..6513, 6548..6624		

Seq. No.	57049	Seq. ID	OJ000113_08.0426.C8
Gene No.	119501	Strand	-
Start	1	End	6624
Name	OJ000113_08.0426.C8.o1.tm	Method	TBLASTX:Maize
Start	339	End	6301
GI	none	Score	46
Exons	339..719, 340..405, 499..726, 508..726, 724..789, 725..805, 790..840, 791..838, 835..993, 835..987, 840..1043, 990..1181, 1003..1194, 1100..1195, 6224..6301		

Seq. No.	57049	Seq. ID	OJ000113_08.0426.C8
Gene No.	119501	Strand	-
Start	1	End	6624
Name	OJ000113_08.0426.C8.o3.tm	Method	TBLASTX:Maize
Start	1373	End	2447
GI	none	Score	111
Exons	1373..1450, 1373..1450, 1377..1451, 1515..1565, 1516..1569, 1534..1566, 1977..2171, 2012..2152, 2023..2190, 2304..2447, 2324..2446		

Seq. No.	57049	Seq. ID	OJ000113_08.0426.C8
Gene No.	119501	Strand	-
Start	1	End	6624

Name	OJ000113_08.0426.C8.o1.tw	Method	TBLASTX:Wheat
Start	2418	End	2996
GI	none	Score	60
Exons	2418..2543, 2418..2576, 2460..2600, 2460..2600, 2478..2642, 2478..2642, 2490..2678, 2502..2741, 2508..2690, 2558..2728, 2573..2656, 2676..2774, 2689..2769, 2703..2798, 2704..2790, 2733..2864, 2734..2865, 2734..2865, 2765..2887, 2855..2992, 2859..2993, 2859..2996		

Seq. No.	57049	Seq. ID	OJ000113_08.0426.C8
Gene No.	119501	Strand	-
Start	1	End	6624
Name	OJ000113_08.0426.C8.o2.gp	Method	AAT/GAP
Start	2427	End	2828
GI	64866_1.R1084	Score	708
Exons	2427..2828		
GI Descrip.	'475784 2.0e-13 (M99575) 85 kDa protein [Babesia bovis]'		

Seq. No.	57050	Seq. ID	OJ000113_08.0426.C9
Gene No.	119502	Strand	+
Start	1	End	369
Name	OJ000113_08.0426.C9.o1.np	Method	AAT/NAP
Start	1	End	369
GI	2494610	Score	189
Exons	1..369		
GI Descrip.	CELL DIVISION PROTEIN FTSZ CHLOROPLAST HOMOLOG PRECURSOR gi|1079732 (U39877) cpFtsZ [Arabidopsis thaliana]		

Seq. No.	57050	Seq. ID	OJ000113_08.0426.C9
Gene No.	119502	Strand	+
Start	1	End	369
Name	OJ000113_08.0426.C9.o1.gp	Method	AAT/GAP
Start	111	End	280
GI	72509_1.R1084	Score	296
Exons	111..280		
GI Descrip.	'2494610/sp|Q42545|FTSZ_ARATH 9.0e-72 CELL DIVISION PROTEIN FTSZ CHLOROPLAST HOMOLOG PRECURSOR >gi_1079732 (U39877) cpFtsZ [Arabidopsis thaliana]'		

Seq. No.	57050	Seq. ID	OJ000113_08.0426.C9
Gene No.	119503	Strand	+
Start	1578	End	5431
Name	OJ000113_08.0426.C9.o1.gs	Method	GENSCAN
Start	1578	End	5431
GI	none	Score	.84
Exons	1578..1647, 2041..2218, 2782..2834, 3046..3184, 4561..4640, 5199..5431		

Seq. No.	57050	Seq. ID	OJ000113_08.0426.C9
Gene No.	119504	Strand	+
Start	12107	End	15017
Name	OJ000113_08.0426.C9.o3.np	Method	AAT/NAP
Start	12107	End	14890
GI	6553892	Score	446
Exons	12107..12205, 13005..13265, 13332..14003, 14822..14890		
GI Descrip.	(AC012563) putative S-adenosyl-L-methionine:salicylic acid carboxyl methyltransferase [Arabidopsis thaliana]		

Seq. No.	57050	Seq. ID	OJ000113_08.0426.C9
Gene No.	119504	Strand	+
Start	12107	End	15017
Name	OJ000113_08.0426.C9.o2.gp	Method	AAT/GAP
Start	14752	End	15017
GI	uC-osflcyp080h06a1	Score	511
Exons	14752..15017		
GI Descrip.	'4105124/gb|AF043347|AF043347 3.0e-17 Zea mays cell wall invertase (incw4) gene, complete cds'		

Seq. No.	57050	Seq. ID	OJ000113_08.0426.C9
Gene No.	119505	Strand	-
Start	5686	End	6568
Name	OJ000113_08.0426.C9.o2.gs	Method	GENSCAN
Start	5686	End	6568
GI	none	Score	.93
Exons	5686..5855, 6415..6568		

Seq. No.	57050	Seq. ID	OJ000113_08.0426.C9
Gene No.	119506	Strand	-
Start	8487	End	11646
Name	OJ000113_08.0426.C9.o2.np	Method	AAT/NAP
Start	8487	End	11646
GI	6006381	Score	206
Exons	8487..8659, 11381..11646		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	57050	Seq. ID	OJ000113_08.0426.C9
Gene No.	119507	Strand	-
Start	15788	End	16120
Name	OJ000113_08.0426.C9.o2.tc	Method	TBLASTX:Cress
Start	110	End	257
GI	none	Score	213
Exons	110..247, 111..257		

Seq. No.	57050	Seq. ID	OJ000113_08.0426.C9
Gene No.	119507	Strand	-
Start	15788	End	16120
Name	OJ000113_08.0426.C9.o2.ts	Method	TBLASTX:Soybean
Start	110	End	257
GI	none	Score	212
Exons	110..244, 111..257		

Seq. No.	57050	Seq. ID	OJ000113_08.0426.C9
Gene No.	119507	Strand	-
Start	15788	End	16120
Name	OJ000113_08.0426.C9.o1.tc	Method	TBLASTX:Cress
Start	12122	End	13256
GI	none	Score	79
Exons	12122..12193, 13005..13076, 13059..13256, 13067..13246		

Seq. No.	57050	Seq. ID	OJ000113_08.0426.C9
Gene No.	119507	Strand	-
Start	15788	End	16120
Name	OJ000113_08.0426.C9.o1.ts	Method	TBLASTX:Soybean
Start	13193	End	13571

GI	4396917	Score	125
Exons	13193..13264, 13194..13268, 13335..13571, 13346..13549, 13368..13571		
GI Descrip.	2982464/emb_CAA18228_ 3.0e-23 (AL022223) putative protein [Arabidopsis thaliana]		

Seq. No.	57050	Seq. ID	OJ000113_08.0426.C9
Gene No.	119507	Strand	-
Start	15788	End	16120
Name	OJ000113_08.0426.C9.o5.gs	Method	GENSCAN
Start	15788	End	16120
GI	none	Score	.42
Exons	15788..15793, 16118..16120		

Seq. No.	57051	Seq. ID	OJ000113_08.0426.C10
Gene No.	119508	Strand	-
Start	479	End	837
Name	OJ000113_08.0426.C10.o1.gp	Method	AAT/GAP
Start	479	End	765
GI	uC-osflcyp080h06a1	Score	214
Exons	479..552, 702..765		
GI Descrip.	'4105124/gb|AF043347|AF043347 3.0e-17 Zea mays cell wall invertase (incw4) gene, complete cds'		

Seq. No.	57051	Seq. ID	OJ000113_08.0426.C10
Gene No.	119508	Strand	-
Start	479	End	837
Name	OJ000113_08.0426.C10.o1.gs	Method	GENSCAN
Start	479	End	837
GI	none	Score	.61
Exons	479..552, 702..837		

Seq. No.	57052	Seq. ID	OJ000113_08.0426.C11
Gene No.	119509	Strand	+
Start	1	End	1682
Name	OJ000113_08.0426.C11.o1.np	Method	AAT/NAP
Start	1	End	1682
GI	5052007	Score	798
Exons	1..45, 134..537, 642..735, 813..995, 1614..1682		
GI Descrip.	(AF155121) apoplastic invertase [Oryza sativa subsp. indica]		

Seq. No.	57052	Seq. ID	OJ000113_08.0426.C11
Gene No.	119509	Strand	+
Start	1	End	1682
Name	OJ000113_08.0426.C11.o1.gs	Method	GENSCAN
Start	134	End	1025
GI	none	Score	.92
Exons	134..537, 642..735, 813..1025		

Seq. No.	57052	Seq. ID	OJ000113_08.0426.C11
Gene No.	119509	Strand	+
Start	1	End	1682
Name	OJ000113_08.0426.C11.o1.gp	Method	AAT/GAP
Start	251	End	890
GI	LIB3433-054-P1-K1-G10	Score	807
Exons	251..537, 642..735, 813..890		
GI Descrip.	'480566/pir||S37047 5.0e-35 beta-fructofuranosidase (EC		

3.2.1.26) - potato >gi_397631_emb_CAA80358_ (Z22645) beta-fructofuranosidase [Solanum tuberosum]'

Seq. No.	57052	Seq. ID	OJ000113_08.0426.C11
Gene No.	119510	Strand	+
Start	1822	End	2627
Name	OJ000113_08.0426.C11.o2.tm	Method	TBLASTX:Maize
Start	1	End	1982
GI	none	Score	70
Exons	1..60, 12..50, 122..328, 143..319, 338..364, 418..486, 419..490, 662..724, 812..889, 813..881, 884..979, 903..989, 911..985, 1933..1974, 1935..1982		

Seq. No.	57052	Seq. ID	OJ000113_08.0426.C11
Gene No.	119510	Strand	+
Start	1822	End	2627
Name	OJ000113_08.0426.C11.o2.ts	Method	TBLASTX:Soybean
Start	1	End	2627
GI	none	Score	70
Exons	1..60, 1933..1974, 1935..1982, 2238..2306, 2240..2305, 2303..2572, 2313..2573, 2489..2590, 2574..2627		

Seq. No.	57052	Seq. ID	OJ000113_08.0426.C11
Gene No.	119510	Strand	+
Start	1822	End	2627
Name	OJ000113_08.0426.C11.o1.tc	Method	TBLASTX:Cress
Start	4	End	2627
GI	none	Score	56
Exons	4..57, 122..226, 230..331, 374..493, 412..510, 640..720, 812..961, 813..989, 1923..1973, 1933..1974, 2238..2306, 2240..2302, 2312..2587, 2313..2573, 2589..2627		

Seq. No.	57052	Seq. ID	OJ000113_08.0426.C11
Gene No.	119510	Strand	+
Start	1822	End	2627
Name	OJ000113_08.0426.C11.o1.ts	Method	TBLASTX:Soybean
Start	122	End	1003
GI	none	Score	165
Exons	122..334, 356..538, 412..537, 640..714, 812..1003, 813..989		

Seq. No.	57052	Seq. ID	OJ000113_08.0426.C11
Gene No.	119510	Strand	+
Start	1822	End	2627
Name	OJ000113_08.0426.C11.o2.tw	Method	TBLASTX:Wheat
Start	380	End	989
GI	none	Score	106
Exons	380..499, 412..492, 494..538, 640..738, 812..988, 813..989, 813..989		

Seq. No.	57052	Seq. ID	OJ000113_08.0426.C11
Gene No.	119510	Strand	+
Start	1822	End	2627
Name	OJ000113_08.0426.C11.o2.gs	Method	GENSCAN
Start	1822	End	2557
GI	none	Score	.83
Exons	1822..1975, 2242..2557		

Seq. No.	57052	Seq. ID	OJ000113_08.0426.C11
Gene No.	119510	Strand	+
Start	1822	End	2627
Name	OJ000113_08.0426.C11.o2.np	Method	AAT/NAP
Start	1828	End	2627
GI	4105125	Score	658
Exons	1828..1979, 2237..2627		
GI Descrip.	(AF043347) cell wall invertase; beta-fructosidase; Incw4 [Zea mays]		

Seq. No.	57052	Seq. ID	OJ000113_08.0426.C11
Gene No.	119510	Strand	+
Start	1822	End	2627
Name	OJ000113_08.0426.C11.o1.tw	Method	TBLASTX:Wheat
Start	1921	End	2471
GI	none	Score	81
Exons	1921..1974, 1943..1984, 1944..1973, 2238..2471, 2240..2455, 2313..2471		

Seq. No.	57052	Seq. ID	OJ000113_08.0426.C11
Gene No.	119510	Strand	+
Start	1822	End	2627
Name	OJ000113_08.0426.C11.o1.tm	Method	TBLASTX:Maize
Start	2238	End	2619
GI	none	Score	421
Exons	2238..2555, 2240..2554, 2488..2619, 2553..2618		

Seq. No.	57053	Seq. ID	OJ000113_08.0426.C12
Gene No.	119511	Strand	+
Start	1	End	6025
Name	OJ000113_08.0426.C12.o1.np	Method	AAT/NAP
Start	1	End	1309
GI	5052007	Score	966
Exons	1..243, 344..747, 884..977, 1058..1309		
GI Descrip.	(AF155121) apoplastic invertase [Oryza sativa subsp. indica]		

Seq. No.	57053	Seq. ID	OJ000113_08.0426.C12
Gene No.	119511	Strand	+
Start	1	End	6025
Name	OJ000113_08.0426.C12.o1.gs	Method	GENSCAN
Start	142	End	4226
GI	none	Score	.85
Exons	142..243, 344..747, 884..977, 1058..1270, 2141..2292, 3097..3286, 3425..3617, 3765..4005, 4058..4226		

Seq. No.	57053	Seq. ID	OJ000113_08.0426.C12
Gene No.	119511	Strand	+
Start	1	End	6025
Name	OJ000113_08.0426.C12.o2.np	Method	AAT/NAP
Start	3118	End	6025
GI	7340881	Score	189
Exons	3118..3196, 3658..3802, 3933..4250, 5973..6025		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	57053	Seq. ID	OJ000113_08.0426.C12
Gene No.	119511	Strand	+
Start	1	End	6025

Name	OJ000113_08.0426.C12.o4.np	Method	AAT/NAP
Start	5105	End	5195
GI	6721561	Score	137
Exons	5105..5195		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57053	Seq. ID	OJ000113_08.0426.C12
Gene No.	119512	Strand	+
Start	9628	End	13110
Name	OJ000113_08.0426.C12.o3.gs	Method	GENSCAN
Start	9628	End	13110
GI	none	Score	.98
Exons	9628..9654, 11022..11045, 11743..13110		

Seq. No.	57053	Seq. ID	OJ000113_08.0426.C12
Gene No.	119512	Strand	+
Start	9628	End	13110
Name	OJ000113_08.0426.C12.o5.np	Method	AAT/NAP
Start	11621	End	13095
GI	7484689	Score	393
Exons	11621..11814, 11926..13095		
GI Descrip.	anthranilate N-benzoyltransferase (EC 2.3.1.144) (clone pchcbt1) - clove pink gi|2239083|emb|CAB06427.1| (Z84383) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus] gi|2239087|emb|CAB06429.1| (Z84385) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]		

Seq. No.	57053	Seq. ID	OJ000113_08.0426.C12
Gene No.	119513	Strand	+
Start	13302	End	15724
Name	OJ000113_08.0426.C12.o6.np	Method	AAT/NAP
Start	13302	End	15724
GI	131277	Score	148
Exons	13302..13411, 13546..13713, 15610..15724		
GI Descrip.	PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) gi|82629|pir||S14140 photosystem II chlorophyll a-binding protein psbB - wheat chloroplast gi|12357|emb|CAA38541.1| (X54749) chlorophyll a-binding protein CP47 [Triticum aestivum]		

Seq. No.	57053	Seq. ID	OJ000113_08.0426.C12
Gene No.	119514	Strand	-
Start	5233	End	9192
Name	OJ000113_08.0426.C12.o3.np	Method	AAT/NAP
Start	4983	End	9033
GI	4680183	Score	127
Exons	4983..5072, 8921..9033		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	57053	Seq. ID	OJ000113_08.0426.C12
Gene No.	119514	Strand	-
Start	5233	End	9192
Name	OJ000113_08.0426.C12.o2.gs	Method	GENSCAN
Start	5233	End	9192

GI	none	Score	.43
Exons	5233..5338, 6262..6325, 7175..7227, 8512..8587, 9135..9192		

Seq. No.	57053	Seq. ID	OJ000113_08.0426.C12
Gene No.	119515	Strand	-
Start	15364	End	17734
Name	OJ000113_08.0426.C12.o4.gs	Method	GENSCAN
Start	15364	End	16704
GI	none	Score	1
Exons	15364..16704		

Seq. No.	57053	Seq. ID	OJ000113_08.0426.C12
Gene No.	119515	Strand	-
Start	15364	End	17734
Name	OJ000113_08.0426.C12.o7.np	Method	AAT/NAP
Start	15394	End	17734
GI	7484692	Score	413
Exons	15394..16512, 17640..17734		
GI Descrip.	anthranilate N-benzoyltransferase (EC 2.3.1.144) - clove pink gi|2239089|emb|CAB06430.1| (Z84386) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus] gi|3288180|emb|CAB11466.1| (Z98758) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]		

Seq. No.	57053	Seq. ID	OJ000113_08.0426.C12
Gene No.	119516	Strand	-
Start	18977	End	23192
Name	OJ000113_08.0426.C12.o1.tc	Method	TBLASTX:Cress
Start	109	End	1234
GI	none	Score	171
Exons	109..243, 120..236, 338..565, 349..429, 466..525, 578..703, 689..748, 1045..1125, 1058..1234		

Seq. No.	57053	Seq. ID	OJ000113_08.0426.C12
Gene No.	119516	Strand	-
Start	18977	End	23192
Name	OJ000113_08.0426.C12.o1.tm	Method	TBLASTX:Maize
Start	109	End	1249
GI	none	Score	169
Exons	109..240, 338..433, 349..429, 448..528, 449..631, 509..628, 628..717, 629..700, 698..748, 875..973, 876..962, 1045..1134, 1058..1126, 1084..1248, 1085..1249		

Seq. No.	57053	Seq. ID	OJ000113_08.0426.C12
Gene No.	119516	Strand	-
Start	18977	End	23192
Name	OJ000113_08.0426.C12.o2.ts	Method	TBLASTX:Soybean
Start	109	End	1249
GI	none	Score	169
Exons	109..240, 338..433, 349..429, 448..528, 449..631, 509..628, 628..717, 629..700, 698..748, 875..973, 876..962, 1045..1134, 1058..1126, 1084..1248, 1085..1249		

Seq. No.	57053	Seq. ID	OJ000113_08.0426.C12
Gene No.	119516	Strand	-
Start	18977	End	23192
Name	OJ000113_08.0426.C12.o2.tw	Method	TBLASTX:Wheat

Start	454	End	675
GI	none	Score	241
Exons	454..663, 455..673, 509..673, 601..675		

Seq. No.	57053	Seq. ID	OJ000113_08.0426.C12
Gene No.	119516	Strand	-
Start	18977	End	23192
Name	OJ000113_08.0426.C12.o3.tw	Method	TBLASTX:Wheat
Start	882	End	1234
GI	none	Score	87
Exons	882..980, 1035..1172, 1045..1227, 1058..1234		

Seq. No.	57053	Seq. ID	OJ000113_08.0426.C12
Gene No.	119516	Strand	-
Start	18977	End	23192
Name	OJ000113_08.0426.C12.o1.ts	Method	TBLASTX:Soybean
Start	11929	End	16506
GI	none	Score	85
Exons	11929..12132, 12142..12315, 12334..12363, 12475..12816, 12609..12812, 12885..13028, 12886..13089, 15400..15642, 15461..15604, 15673..15954, 15677..15877, 16145..16306, 16159..16347, 16333..16506		

Seq. No.	57053	Seq. ID	OJ000113_08.0426.C12
Gene No.	119516	Strand	-
Start	18977	End	23192
Name	OJ000113_08.0426.C12.o2.tm	Method	TBLASTX:Maize
Start	11932	End	16506
GI	none	Score	71
Exons	11932..12060, 12133..12315, 12334..12363, 12475..12732, 12513..12716, 15701..15952, 15757..15954, 16145..16330, 16159..16329, 16349..16489, 16405..16506		

Seq. No.	57053	Seq. ID	OJ000113_08.0426.C12
Gene No.	119516	Strand	-
Start	18977	End	23192
Name	OJ000113_08.0426.C12.o1.tw	Method	TBLASTX:Wheat
Start	12168	End	16306
GI	none	Score	148
Exons	12168..12290, 12169..12291, 12301..12378, 12322..12375, 12460..12528, 12520..12597, 15880..16173, 15899..16030, 16100..16174, 16187..16306, 16192..16305		

Seq. No.	57053	Seq. ID	OJ000113_08.0426.C12
Gene No.	119516	Strand	-
Start	18977	End	23192
Name	OJ000113_08.0426.C12.o5.gs	Method	GENSCAN
Start	18977	End	23192
GI	none	Score	.59
Exons	18977..19035, 22692..22837, 22873..22963, 23126..23192		

Seq. No.	57054	Seq. ID	OJ000323_04.0424.C3
Gene No.	119517	Strand	-
Start	2172	End	8650
Name	OJ000323_04.0424.C3.o1.gs	Method	GENSCAN
Start	2172	End	8650
GI	none	Score	.71

Exons	2172..2203, 2490..5550, 6428..6557, 8520..8650		
Seq. No.	57054	Seq. ID	OJ000323_04.0424.C3
Gene No.	119517	Strand	-
Start	2172	End	8650
Name	OJ000323_04.0424.C3.o1.np	Method	AAT/NAP
Start	2172	End	5781
GI	7489083	Score	1452
Exons	2172..4570, 4706..5321, 5718..5781		
GI Descrip.	disease resistance protein Cf-2.1 - currant tomato gi|1184075|gb|AAC15779.1| (U42444) Cf-2.1 [Lycopersicon pimpinellifolium] gi|1587673|prf||2207203A Cf-2 gene [Lycopersicon esculentum]		
Seq. No.	57054	Seq. ID	OJ000323_04.0424.C3
Gene No.	119518	Strand	-
Start	9066	End	14308
Name	OJ000323_04.0424.C3.o1.tm	Method	TBLASTX:Maize
Start	1666	End	4983
GI	none	Score	90
Exons	1666..1848, 1704..1847, 2352..2516, 2375..2509, 2383..2535, 2542..2853, 2546..2851, 2803..3000, 3109..3222, 3148..3294, 3154..3303, 3558..3599, 3727..3894, 3937..4104, 4591..4683, 4663..4737, 4873..4983		
Seq. No.	57054	Seq. ID	OJ000323_04.0424.C3
Gene No.	119518	Strand	-
Start	9066	End	14308
Name	OJ000323_04.0424.C3.o1.tw	Method	TBLASTX:Wheat
Start	1704	End	4737
GI	none	Score	74
Exons	1704..1847, 1705..1869, 2159..2515, 2173..2520, 2535..2591, 2542..2592, 3157..3333, 3257..3499, 3394..3519, 3397..3711, 3760..4032, 4483..4683, 4672..4737		
Seq. No.	57054	Seq. ID	OJ000323_04.0424.C3
Gene No.	119518	Strand	-
Start	9066	End	14308
Name	OJ000323_04.0424.C3.o1.tc	Method	TBLASTX:Cress
Start	2197	End	5211
GI	none	Score	50
Exons	2197..2502, 2299..2520, 2299..2511, 2320..2502, 2380..2487, 2641..2778, 2641..2796, 2650..2796, 2800..2937, 2800..2937, 2801..2854, 2815..2934, 2818..2937, 2860..2949, 2956..3045, 2956..3102, 2962..3048, 2962..3048, 2962..3048, 2962..3045, 2963..3070, 2970..3065, 3097..3150, 3106..3147, 3109..3147, 3131..3283, 3143..3343, 3145..3333, 3148..3333, 3148..3336, 3148..3294, 3148..3294, 3148..3333, 3157..3333, 3166..3336, 3166..3333, 3179..3274, 3181..3333, 3257..3451, 3329..3484, 3329..3739, 3394..4026, 3394..3921, 3400..4086, 3400..3654, 3403..4143, 3460..3648, 3475..4242, 3532..4098, 3541..4266, 3619..4140, 3688..4239, 3689..4066, 3689..3922, 3820..4239, 3833..4222, 3883..4266, 3886..4266, 3905..4081, 4121..4231, 4258..4593, 4258..4686, 4258..4698, 4258..4533, 4258..4677, 4258..4725, 4267..4683, 4267..4677, 4268..4360, 4270..4677, 4339..4683, 4342..4683, 4393..4683, 4459..4683, 4459..4674, 4475..4651, 4550..4660, 4663..5091, 4669..4800, 4675..5106,		

4681..4995, 4690..5106, 4768..5115, 4846..5121, 4855..5118, 4909..5106, 5185..5211

Seq. No.	57054	Seq. ID	OJ000323_04.0424.C3
Gene No.	119518	Strand	-
Start	9066	End	14308
Name	OJ000323_04.0424.C3.o1.ts	Method	TBLASTX:Soybean
Start	2320	End	5163
GI	none	Score	69

Exons 2320..2514, 2656..2793, 2659..2787, 2662..2796, 2779..3048, 2800..2937, 2803..2919, 2815..2934, 2927..3082, 2948..3067, 3103..3150, 3109..3159, 3109..3261, 3127..3333, 3148..3333, 3148..3279, 3148..3336, 3148..3333, 3166..3333, 3175..3519, 3185..3340, 3314..3496, 3394..3639, 3395..3649, 3397..3663, 3400..4071, 3400..4005, 3400..3477, 3400..3807, 3401..3628, 3469..3879, 3508..3621, 3547..3951, 3553..4215, 3610..4416, 3613..4023, 3688..4095, 3760..4158, 3904..4266, 3905..4072, 3905..4081, 3905..4231, 3949..4239, 4202..4267, 4258..4497, 4258..4683, 4258..4653, 4258..4683, 4258..4602, 4267..4665, 4267..4683, 4339..4683, 4339..4680, 4457..4645, 4484..4681, 4552..4674, 4552..4674, 4651..4791, 4660..4953, 4681..5115, 4687..5163, 4735..5112

Seq. No.	57054	Seq. ID	OJ000323_04.0424.C3
Gene No.	119518	Strand	-
Start	9066	End	14308
Name	OJ000323_04.0424.C3.o2.tm	Method	TBLASTX:Maize
Start	3394	End	4587
GI	none	Score	77

Exons 3394..3555, 3400..3702, 3401..3529, 3439..3555, 3604..3720, 3604..3720, 4105..4224, 4108..4239, 4111..4587, 4119..4262, 4258..4572

Seq. No.	57054	Seq. ID	OJ000323_04.0424.C3
Gene No.	119518	Strand	-
Start	9066	End	14308
Name	OJ000323_04.0424.C3.o2.gs	Method	GENSCAN
Start	9066	End	13945
GI	none	Score	.66

Exons 9066..9123, 9567..9639, 9714..9847, 10096..10145, 10621..10726, 13334..13488, 13782..13945

Seq. No.	57054	Seq. ID	OJ000323_04.0424.C3
Gene No.	119518	Strand	-
Start	9066	End	14308
Name	OJ000323_04.0424.C3.o2.np	Method	AAT/NAP
Start	10615	End	14308
GI	5922620	Score	344

Exons 10615..10745, 13334..13629, 13860..13960, 14259..14308

GI Descrip. (AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	57055	Seq. ID	OJ000323_04.0424.C4
Gene No.	119519	Strand	+

Start	1	End	75
Name	OJ000323_04.0424.C4.o1.np	Method	AAT/NAP
Start	1	End	75
GI	6630699	Score	101
Exons	1..75		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	57055	Seq. ID	OJ000323_04.0424.C4
Gene No.	119520	Strand	+
Start	84	End	709
Name	OJ000323_04.0424.C4.o1.gs	Method	GENSCAN
Start	84	End	642
GI	none	Score	.52
Exons	84..129, 257..405, 544..642		

Seq. No.	57055	Seq. ID	OJ000323_04.0424.C4
Gene No.	119520	Strand	+
Start	84	End	709
Name	OJ000323_04.0424.C4.o2.np	Method	AAT/NAP
Start	202	End	709
GI	6539570	Score	160
Exons	202..405, 643..709		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	57056	Seq. ID	OJ000323_04.0424.C5
Gene No.	119521	Strand	-
Start	1	End	13788
Name	OJ000323_04.0424.C5.o1.np	Method	AAT/NAP
Start	1	End	13788
GI	7489084	Score	1349
Exons	1..21, 675..1161, 1207..1791, 1864..3269, 12734..12894, 13093..13355, 13632..13788		
GI Descrip.	disease resistance protein Cf-2.2 - currant tomato gi|1184077|gb|AAC15780.1| (U42445) Cf-2.2 [Lycopersicon pimpinellifolium]		

Seq. No.	57056	Seq. ID	OJ000323_04.0424.C5
Gene No.	119521	Strand	-
Start	1	End	13788
Name	OJ000323_04.0424.C5.o1.tw	Method	TBLASTX:Wheat
Start	714	End	13621
GI	none	Score	262
Exons	714..1115, 715..1113, 1455..1718, 1674..1910, 2031..2252, 2466..2720, 2466..2666, 3117..3299, 12578..12664, 12579..12977, 12591..12965, 12725..12979, 13358..13621		

Seq. No.	57056	Seq. ID	OJ000323_04.0424.C5
Gene No.	119521	Strand	-
Start	1	End	13788
Name	OJ000323_04.0424.C5.o1.ts	Method	TBLASTX:Soybean
Start	717	End	13660
GI	none	Score	67
Exons	717..956, 741..1043, 789..1067, 789..1052, 789..1043, 789..1043, 789..1037, 789..1028, 790..1041, 861..1067, 885..1010, 930..1055, 1221..1370, 1236..1364, 1332..1838, 1341..1913,		

1347..1502, 1371..1565, 1383..1670, 1383..1790, 1515..1910,
1527..1934, 1596..2258, 1599..2006, 1746..2150, 1752..2261,
1812..2222, 1878..2261, 1954..2043, 1959..2261, 1959..2204,
2031..2261, 2104..2259, 2104..2262, 2139..2252, 2319..2438,
2337..2456, 2388..2438, 2457..2864, 2457..2801, 2457..2849,
2466..3023, 2466..2882, 2530..2613, 2538..2885, 2574..2687,
2593..2694, 2656..2844, 2683..2844, 2751..2873, 2886..3212,
2892..3326, 2898..3308, 2946..3323, 2970..3317, 3066..3329,
12654..12905, 12722..12919, 12725..12922, 12725..12907,
12725..12901, 12725..12892, 12725..12907, 12725..12907,
12749..12874, 12794..12919, 13109..13234, 13133..13234,
13286..13660, 13286..13660, 13286..13621, 13286..13573,
13367..13660, 13430..13660

Seq. No.	57056	Seq. ID	OJ000323_04.0424.C5
Gene No.	119521	Strand	-
Start	1	End	13788
Name	OJ000323_04.0424.C5.o1.tc	Method	TBLASTX:Cress
Start	735	End	13660
GI	none	Score	65

Exons 735..1043, 738..1043, 738..971, 786..1052, 789..1067, 789..1052,
789..902, 789..1043, 789..1052, 789..1067, 790..951, 792..1067,
852..1043, 853..984, 984..1043, 1329..1910, 1347..1997,
1371..1907, 1380..2141, 1386..1781, 1446..1997, 1467..2225,
1530..2261, 1599..2141, 1602..2357, 1650..2261, 1674..2222,
1731..2258, 1818..1880, 1818..2261, 1887..2261, 1960..2262,
1962..2441, 2032..2262, 2034..2453, 2082..2198, 2163..2261,
2319..2441, 2319..2414, 2322..2444, 2325..2438, 2457..2792,
2457..2720, 2457..2732, 2466..2873, 2466..2876, 2466..2864,
2469..2876, 2538..2876, 2580..2885, 2613..2885, 2665..2778,
2674..2868, 2733..2882, 2892..3014, 2892..3302, 2892..3308,
2901..3317, 2901..3311, 2901..3011, 2901..3311, 2910..3308,
3051..3311, 3051..3314, 3099..3308, 3120..3308, 3408..3446,
12654..12881, 12708..12848, 12722..12916, 12722..12916,
12725..12916, 12725..12907, 12725..12907, 12725..12907,
12725..12907, 12725..12916, 12725..12907, 12734..12907,
12800..12907, 13106..13234, 13112..13234, 13275..13337,
13283..13660, 13283..13405, 13283..13660, 13286..13660,
13286..13657, 13286..13660, 13289..13657, 13430..13621,
13430..13540, 13502..13657

Seq. No.	57056	Seq. ID	OJ000323_04.0424.C5
Gene No.	119521	Strand	-
Start	1	End	13788
Name	OJ000323_04.0424.C5.o1.tm	Method	TBLASTX:Maize
Start	804	End	13333
GI	none	Score	156

Exons 804..917, 894..1115, 895..1101, 915..1037, 1167..1406,
1170..1424, 2583..2729, 3084..3239, 3162..3314, 12758..12979,
12759..12965, 13006..13044, 13085..13327, 13112..13333

Seq. No.	57056	Seq. ID	OJ000323_04.0424.C5
Gene No.	119521	Strand	-
Start	1	End	13788
Name	OJ000323_04.0424.C5.o2.tm	Method	TBLASTX:Maize
Start	1425	End	13630
GI	none	Score	105

Exons	1425..1997, 1476..2141, 1620..2261, 1692..2357, 2049..2438, 2319..2438, 2379..2444, 2457..2576, 2457..2561, 2736..2885, 2745..2885, 2772..2882, 2901..3080, 13358..13630, 13427..13624		

Seq. No.	57056	Seq. ID	OJ000323_04.0424.C5
Gene No.	119521	Strand	-
Start	1	End	13788
Name	OJ000323_04.0424.C5.o2.gs	Method	GENSCAN
Start	5033	End	11936
GI	none	Score	.5
Exons	5033..5132, 5726..5931, 6070..6300, 7059..7078, 7492..7682, 7975..8145, 8284..8446, 8953..9249, 10728..10771, 11706..11746, 11790..11936		

Seq. No.	57056	Seq. ID	OJ000323_04.0424.C5
Gene No.	119521	Strand	-
Start	1	End	13788
Name	OJ000323_04.0424.C5.o2.np	Method	AAT/NAP
Start	10804	End	13788
GI	2924777	Score	366
Exons	10804..10848, 12587..12909, 13108..13788		
GI Descrip.	(AC002334) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	57057	Seq. ID	OJ000323_04.0424.C7
Gene No.	119522	Strand	+
Start	6729	End	8849
Name	OJ000323_04.0424.C7.o1.np	Method	AAT/NAP
Start	6729	End	8849
GI	6967112	Score	428
Exons	6729..6752, 8157..8849		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	57057	Seq. ID	OJ000323_04.0424.C7
Gene No.	119523	Strand	-
Start	550	End	6109
Name	OJ000323_04.0424.C7.o1.gs	Method	GENSCAN
Start	550	End	6109
GI	none	Score	.47
Exons	550..648, 1719..1817, 1819..1946, 2114..2258, 5553..5869, 6019..6109		

Seq. No.	57057	Seq. ID	OJ000323_04.0424.C7
Gene No.	119524	Strand	-
Start	9106	End	13809
Name	OJ000323_04.0424.C7.o3.gs	Method	GENSCAN
Start	9106	End	13809
GI	none	Score	.82
Exons	9106..9689, 9784..10167, 10268..10319, 10679..10908, 12352..12499, 13660..13809		

Seq. No.	57057	Seq. ID	OJ000323_04.0424.C7
Gene No.	119525	Strand	-
Start	16299	End	16585
Name	OJ000323_04.0424.C7.o4.tm	Method	TBLASTX:Maize
Start	4250	End	5261
GI	none	Score	75

Exons	4250..4369, 4251..4379, 4259..4381, 4280..4369, 4301..4375, 4353..4382, 4356..4466, 4452..4529, 4464..4523, 4465..4527, 4472..4552, 4474..4527, 4576..4725, 4582..4728, 4584..4688, 4594..4692, 4598..4735, 4600..4734, 4604..4723, 4604..4729, 4665..4742, 4672..4743, 4746..4778, 4789..4905, 4797..4928, 4798..4899, 4798..4914, 4798..4917, 4799..4927, 4801..4905, 4803..4913, 4804..4908, 4813..4938, 4916..5035, 4920..5072, 4927..5082, 4929..5069, 4930..5070, 4938..5063, 4946..5059, 4952..5053, 4953..5060, 4955..5053, 4960..5064, 4961..5071, 4968..5054, 5082..5240, 5084..5146, 5085..5261, 5086..5187, 5093..5260, 5107..5214, 5107..5220, 5109..5237, 5119..5238		

Seq. No.	57057	Seq. ID	OJ000323_04.0424.C7
Gene No.	119525	Strand	-
Start	16299	End	16585
Name	OJ000323_04.0424.C7.o3.tm	Method	TBLASTX:Maize
Start	7662	End	8003
GI	none	Score	266
Exons	7662..8003, 7704..7931, 7859..7981		

Seq. No.	57057	Seq. ID	OJ000323_04.0424.C7
Gene No.	119525	Strand	-
Start	16299	End	16585
Name	OJ000323_04.0424.C7.o1.tm	Method	TBLASTX:Maize
Start	8156	End	8539
GI	none	Score	41
Exons	8156..8269, 8159..8467, 8160..8537, 8306..8539, 8356..8523		

Seq. No.	57057	Seq. ID	OJ000323_04.0424.C7
Gene No.	119525	Strand	-
Start	16299	End	16585
Name	OJ000323_04.0424.C7.o1.ts	Method	TBLASTX:Soybean
Start	8157	End	8528
GI	none	Score	189
Exons	8157..8357, 8159..8335, 8364..8528, 8384..8449		

Seq. No.	57057	Seq. ID	OJ000323_04.0424.C7
Gene No.	119525	Strand	-
Start	16299	End	16585
Name	OJ000323_04.0424.C7.o1.tw	Method	TBLASTX:Wheat
Start	8198	End	8615
GI	none	Score	595
Exons	8198..8614, 8199..8615		

Seq. No.	57057	Seq. ID	OJ000323_04.0424.C7
Gene No.	119525	Strand	-
Start	16299	End	16585
Name	OJ000323_04.0424.C7.o2.tm	Method	TBLASTX:Maize
Start	8541	End	8864
GI	none	Score	268
Exons	8541..8864, 8543..8692		

Seq. No.	57057	Seq. ID	OJ000323_04.0424.C7
Gene No.	119525	Strand	-
Start	16299	End	16585
Name	OJ000323_04.0424.C7.o2.tw	Method	TBLASTX:Wheat
Start	9782	End	10099

GI	none	Score	66
Exons	9782..9835, 9848..10018, 10022..10099		

Seq. No.	57057	Seq. ID	OJ000323_04.0424.C7
Gene No.	119525	Strand	-
Start	16299	End	16585
Name	OJ000323_04.0424.C7.o4.gs	Method	GENSCAN
Start	16299	End	16585
GI	none	Score	.94
Exons	16299..16427, 16538..16585		

Seq. No.	57058	Seq. ID	OJ000323_04.0424.C8
Gene No.	119526	Strand	+
Start	908	End	2133
Name	OJ000323_04.0424.C8.o1.gs	Method	GENSCAN
Start	908	End	2133
GI	none	Score	.52
Exons	908..1078, 2048..2133		

Seq. No.	57058	Seq. ID	OJ000323_04.0424.C8
Gene No.	119527	Strand	+
Start	4486	End	11257
Name	OJ000323_04.0424.C8.o1.np	Method	AAT/NAP
Start	4296	End	8461
GI	7267528	Score	1862
Exons	4296..4839, 5059..5182, 5474..7582, 8169..8461		
GI Descrip.	(AL161513) receptor protein kinase-like protein [Arabidopsis thaliana] gi|7321074|emb|CAB82121.1| (AL161813) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	57058	Seq. ID	OJ000323_04.0424.C8
Gene No.	119527	Strand	+
Start	4486	End	11257
Name	OJ000323_04.0424.C8.o2.gs	Method	GENSCAN
Start	4486	End	11257
GI	none	Score	.87
Exons	4486..7582, 8169..8383, 9140..9211, 9325..9478, 9955..10138, 11206..11257		

Seq. No.	57058	Seq. ID	OJ000323_04.0424.C8
Gene No.	119528	Strand	+
Start	17054	End	17668
Name	OJ000323_04.0424.C8.o5.gs	Method	GENSCAN
Start	17054	End	17668
GI	none	Score	.96
Exons	17054..17668		

Seq. No.	57058	Seq. ID	OJ000323_04.0424.C8
Gene No.	119529	Strand	-
Start	10570	End	18305
Name	OJ000323_04.0424.C8.o1.ts	Method	TBLASTX:Soybean
Start	4606	End	13963
GI	none	Score	136
Exons	4606..4998, 4612..4926, 4621..5004, 4732..4995, 4873..5430, 5011..5439, 5011..5358, 5014..5430, 5014..5430, 5023..5145, 5037..5153, 5047..5430, 5052..5240, 5052..5213, 5058..5213, 5095..5439, 5130..5357, 5209..5313, 5236..5433, 5281..6087,		

5283..5429, 5404..5793, 5406..5648, 5430..5495, 5431..5532,
5458..5748, 5478..5792, 5482..6144, 5521..5937, 5548..6300,
5602..6009, 5616..5792, 5625..5792, 5626..6312, 5637..6170,
5674..6084, 5746..6150, 5818..6225, 5890..6297, 5962..6306,
5983..6315, 6034..6327, 6048..6305, 6069..6305, 6192..6308,
6213..6311, 6220..6315, 6315..6509, 6319..6519, 6328..6546,
6328..6546, 6328..6546, 6340..6546, 6354..6509, 6375..6524,
6376..6537, 6433..6729, 6541..6729, 6547..6792, 6547..6729,
6547..6729, 6547..6729, 6547..6732, 6610..6729, 7048..7179,
7062..7139, 7204..7347, 7239..7343, 7354..7524, 7365..7520,
7528..7581, 8167..8268, 8168..8257, 11828..11848, 11969..12181,
12029..12265, 12041..12235, 12270..12407, 12306..12578,
12315..12446, 12322..12459, 12453..12701, 12453..12491,
12456..12590, 12795..13097, 12804..13097, 12804..12926,
12816..13004, 12817..13005, 12834..13079, 12834..13079,
12834..13061, 12835..13071, 12840..13079, 12843..13103,
12855..12980, 12895..13062, 12904..13068, 13067..13300,
13091..13297, 13097..13300, 13097..13195, 13097..13216,
13115..13300, 13358..13411, 13367..13654, 13370..13510,
13376..13516, 13386..13709, 13523..13957, 13523..13915,
13529..13939, 13577..13954, 13601..13945, 13688..13963,
13697..13960

Seq. No.	57058	Seq. ID	OJ000323_04.0424.C8
Gene No.	119529	Strand	-
Start	10570	End	18305
Name	OJ000323_04.0424.C8.o1.tc	Method	TBLASTX:Cress
Start	4612	End	13960
GI	none	Score	169

Exons 4612..4995, 4681..4839, 4684..4839, 4702..5004, 4720..4917,
4867..4917, 4900..5004, 4900..5004, 4945..5193, 5011..5151,
5011..5430, 5014..5439, 5014..5430, 5014..5304, 5020..5379,
5022..5213, 5023..5439, 5023..5430, 5028..5213, 5064..5348,
5065..5358, 5137..5430, 5155..5373, 5188..5433, 5230..5730,
5404..5874, 5431..6150, 5455..5670, 5458..5814, 5458..6225,
5458..5667, 5479..6024, 5479..5673, 5493..5720, 5497..5811,
5499..5798, 5530..6381, 5572..5874, 5593..5772, 5593..6327,
5599..5712, 5616..5927, 5643..5879, 5644..5946, 5662..6297,
5662..5853, 5716..6009, 5722..6318, 5730..6053, 5734..5925,
5781..6143, 5860..6150, 6004..6549, 6021..6296, 6022..6213,
6069..6296, 6099..6269, 6100..6276, 6145..6297, 6175..6315,
6301..6519, 6319..6546, 6325..6420, 6328..6528, 6328..6498,
6328..6528, 6328..6546, 6348..6560, 6379..6546, 6414..6518,
6502..6546, 6544..6588, 6544..6729, 6547..6729, 6547..6603,
6547..6729, 6547..6723, 6552..6728, 6553..6732, 6580..6732,
6586..6732, 6604..6657, 6757..6807, 7050..7187, 7051..7215,
7170..7337, 7180..7338, 7339..7521, 7546..7581, 7996..8058,
8167..8262, 8168..8263, 8366..8446, 11960..12160, 12267..12452,
12276..12425, 12276..12425, 12279..12416, 12279..12587,
12294..12452, 12303..12425, 12444..12590, 12453..12596,
12456..12572, 12468..12587, 12468..12590, 12612..12701,
12615..12701, 12618..12701, 12618..12701, 12618..12701,
12625..12666, 12816..13097, 12816..13070, 12816..13052,
12816..12962, 12819..13094, 12819..13079, 12822..13097,
12822..13079, 12834..13100, 12834..12941, 12885..13097,
12895..13059, 12924..13100, 12972..13025, 13040..13300,
13042..13062, 13091..13297, 13094..13252, 13094..13228,

13097..13246, 13118..13297, 13157..13222, 13355..13513,
13355..13570, 13367..13513, 13374..13610, 13376..13480,
13385..13516, 13457..13504, 13490..13579, 13517..13672,
13523..13939, 13523..13825, 13529..13939, 13532..13939,
13532..13732, 13601..13957, 13610..13723, 13688..13948,
13697..13960, 13769..13939

Seq. No.	57058	Seq. ID	OJ000323_04.0424.C8
Gene No.	119529	Strand	-
Start	10570	End	18305
Name	OJ000323_04.0424.C8.o1.tm	Method	TBLASTX:Maize
Start	4900	End	13948
GI	none	Score	74

Exons 4900..5004, 5020..5244, 5020..5262, 5022..5264, 5023..5175,
5032..5214, 5056..5430, 5125..5430, 5341..5439, 5458..5676,
5461..5520, 5473..5751, 5482..5823, 5482..5895, 5488..5895,
5539..5721, 5563..5946, 5637..5759, 5704..6093, 5752..5937,
5776..6186, 5845..6255, 5899..6078, 5923..6348, 6037..6225,
6136..6297, 6183..6308, 6208..6318, 6324..6794, 6328..6795,
6328..6549, 6421..6549, 6568..6729, 11960..12160, 11969..12163,
12294..12587, 12469..12639, 12612..12698, 12613..12699,
12617..12724, 12801..12920, 12804..13070, 12804..12869,
12822..12941, 12834..13013, 12873..13070, 12903..13079,
12945..13094, 13049..13246, 13091..13246, 13094..13300,
13276..13338, 13283..13507, 13358..13507, 13382..13507,
13385..13495, 13529..13759, 13688..13948, 13748..13930,
13793..13930

Seq. No.	57058	Seq. ID	OJ000323_04.0424.C8
Gene No.	119529	Strand	-
Start	10570	End	18305
Name	OJ000323_04.0424.C8.o1.tw	Method	TBLASTX:Wheat
Start	5176	End	13960
GI	none	Score	150

Exons 5176..5430, 5602..5919, 5746..6009, 5986..6297, 6106..6297,
6178..6318, 6328..6543, 6547..6804, 6547..6780, 11219..11302,
11366..11422, 11822..12166, 11825..12151, 11862..12164,
12177..12239, 12194..12238, 12816..12941, 12828..13079,
12975..13094, 13358..13504, 13748..13948, 13820..13960

Seq. No.	57058	Seq. ID	OJ000323_04.0424.C8
Gene No.	119529	Strand	-
Start	10570	End	18305
Name	OJ000323_04.0424.C8.o2.tm	Method	TBLASTX:Maize
Start	7020	End	8251
GI	none	Score	109

Exons 7020..7139, 7021..7146, 7186..7335, 7203..7334, 7341..7520,
7342..7542, 7546..7581, 8168..8251

Seq. No.	57058	Seq. ID	OJ000323_04.0424.C8
Gene No.	119529	Strand	-
Start	10570	End	18305
Name	OJ000323_04.0424.C8.o2.tw	Method	TBLASTX:Wheat
Start	7186	End	7581
GI	none	Score	310

Exons 7186..7581, 7408..7512

Seq. No.	57058	Seq. ID	OJ000323_04.0424.C8
Gene No.	119529	Strand	-
Start	10570	End	18305
Name	OJ000323_04.0424.C8.o3.tm	Method	TBLASTX:Maize
Start	10114	End	10318
GI	none	Score	200
Exons	10114..10311, 10167..10316, 10169..10315, 10169..10318		

Seq. No.	57058	Seq. ID	OJ000323_04.0424.C8
Gene No.	119529	Strand	-
Start	10570	End	18305
Name	OJ000323_04.0424.C8.o2.ts	Method	TBLASTX:Soybean
Start	10169	End	10365
GI	none	Score	70
Exons	10169..10222, 10173..10235, 10178..10237, 10226..10315, 10228..10329, 10228..10320, 10321..10362, 10323..10364, 10324..10365		

Seq. No.	57058	Seq. ID	OJ000323_04.0424.C8
Gene No.	119529	Strand	-
Start	10570	End	18305
Name	OJ000323_04.0424.C8.o2.np	Method	AAT/NAP
Start	10570	End	15210
GI	3894383	Score	883
Exons	10570..10610, 11752..13040, 13091..14042, 15165..15210		
GI Descrip.	(AF053993) disease resistance protein [Lycopersicon esculentum]		

Seq. No.	57058	Seq. ID	OJ000323_04.0424.C8
Gene No.	119529	Strand	-
Start	10570	End	18305
Name	OJ000323_04.0424.C8.o3.np	Method	AAT/NAP
Start	14645	End	18305
GI	7484956	Score	74
Exons	14645..14679, 17055..17157, 17255..17628, 18224..18305		
GI Descrip.	extensin homolog F24O1.18 - Arabidopsis thaliana gi|2781362|gb|AAB96863.1| (AC003113) F24O1.18 [Arabidopsis thaliana] gi|5454187|gb|AAD43602.1|AC005698_1 (AC005698) T3P18.1 [Arabidopsis thaliana]		

Seq. No.	57058	Seq. ID	OJ000323_04.0424.C8
Gene No.	119529	Strand	-
Start	10570	End	18305
Name	OJ000323_04.0424.C8.o4.gs	Method	GENSCAN
Start	15557	End	16413
GI	none	Score	.63
Exons	15557..15622, 16354..16413		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119530	Strand	+
Start	1545	End	7666
Name	OJ000323_04.0424.C10.o1.gs	Method	GENSCAN
Start	1545	End	7666
GI	none	Score	.63
Exons	1545..2129, 2158..2262, 2295..2531, 2595..3589, 3591..4487, 4584..5374, 6114..6724, 6824..7666		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10

Gene No.	119530	Strand	+
Start	1545	End	7666
Name	OJ000323_04.0424.C10.o1.np	Method	AAT/NAP
Start	1545	End	7630
GI	5922631	Score	6736
Exons	1545..1669, 1928..2172, 2431..2633, 2679..3250, 3293..3444, 3571..4495, 5102..7630		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-
Start	7996	End	9619
Name	OJ000323_04.0424.C10.o7.tm	Method	TBLASTX:Maize
Start	2837	End	3097
GI	none	Score	181
Exons	2837..3097, 2838..3092		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-
Start	7996	End	9619
Name	OJ000323_04.0424.C10.o7.tw	Method	TBLASTX:Wheat
Start	2855	End	3257
GI	none	Score	289
Exons	2855..3163, 2856..3257		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-
Start	7996	End	9619
Name	OJ000323_04.0424.C10.o6.tw	Method	TBLASTX:Wheat
Start	3835	End	4512
GI	none	Score	147
Exons	3835..4011, 4056..4292, 4060..4290, 4339..4512		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-
Start	7996	End	9619
Name	OJ000323_04.0424.C10.o1.tw	Method	TBLASTX:Wheat
Start	4512	End	4968
GI	none	Score	491
Exons	4512..4967, 4513..4968		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-
Start	7996	End	9619
Name	OJ000323_04.0424.C10.o2.ts	Method	TBLASTX:Soybean
Start	4552	End	4917
GI	none	Score	138
Exons	4552..4776, 4783..4917		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-

Start	7996	End	9619
Name	OJ000323_04.0424.C10.o2.tm	Method	TBLASTX:Maize
Start	4642	End	4998
GI	none	Score	370
Exons	4642..4998, 4683..4988		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-
Start	7996	End	9619
Name	OJ000323_04.0424.C10.o3.tw	Method	TBLASTX:Wheat
Start	5083	End	5507
GI	none	Score	429
Exons	5083..5502, 5127..5507		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-
Start	7996	End	9619
Name	OJ000323_04.0424.C10.o1.ts	Method	TBLASTX:Soybean
Start	5161	End	5562
GI	none	Score	307
Exons	5161..5562, 5178..5321		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-
Start	7996	End	9619
Name	OJ000323_04.0424.C10.o3.tm	Method	TBLASTX:Maize
Start	5229	End	5673
GI	none	Score	270
Exons	5229..5483, 5230..5484, 5230..5487, 5244..5489, 5505..5636, 5506..5649, 5647..5673		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-
Start	7996	End	9619
Name	OJ000323_04.0424.C10.o8.tw	Method	TBLASTX:Wheat
Start	5512	End	5796
GI	none	Score	275
Exons	5512..5793, 5521..5610, 5631..5795, 5701..5796		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-
Start	7996	End	9619
Name	OJ000323_04.0424.C10.o3.ts	Method	TBLASTX:Soybean
Start	5788	End	6177
GI	none	Score	87
Exons	5788..5892, 5796..5882, 5950..6177, 5951..6007, 6053..6175		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-
Start	7996	End	9619
Name	OJ000323_04.0424.C10.o5.tw	Method	TBLASTX:Wheat
Start	5797	End	6220
GI	none	Score	151
Exons	5797..5952, 5802..5951, 5950..6144, 5951..6220		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-

Start	7996	End	9619
Name	OJ000323_04.0424.C10.o6.tm	Method	TBLASTX:Maize
Start	6050	End	6304
GI	none	Score	185
Exons	6050..6304, 6058..6165		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-
Start	7996	End	9619
Name	OJ000323_04.0424.C10.o9.tw	Method	TBLASTX:Wheat
Start	6236	End	6535
GI	none	Score	135
Exons	6236..6370, 6424..6510, 6437..6535		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-
Start	7996	End	9619
Name	OJ000323_04.0424.C10.o1.tm	Method	TBLASTX:Maize
Start	6532	End	6895
GI	none	Score	433
Exons	6532..6855, 6533..6856, 6848..6895		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-
Start	7996	End	9619
Name	OJ000323_04.0424.C10.o4.tw	Method	TBLASTX:Wheat
Start	6538	End	6927
GI	none	Score	404
Exons	6538..6849, 6539..6925, 6734..6925, 6880..6927		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-
Start	7996	End	9619
Name	OJ000323_04.0424.C10.o5.tm	Method	TBLASTX:Maize
Start	6997	End	7270
GI	none	Score	99
Exons	6997..7095, 6998..7096, 7087..7161, 7091..7174, 7184..7270		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-
Start	7996	End	9619
Name	OJ000323_04.0424.C10.o2.tw	Method	TBLASTX:Wheat
Start	7040	End	7654
GI	none	Score	371
Exons	7040..7531, 7060..7149, 7190..7219, 7201..7329, 7523..7654		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-
Start	7996	End	9619
Name	OJ000323_04.0424.C10.o4.tm	Method	TBLASTX:Maize
Start	7352	End	7615
GI	none	Score	163
Exons	7352..7534, 7474..7533, 7511..7615, 7513..7614		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-
Start	7996	End	9619

Name	OJ000323_04.0424.C10.o2.gs	Method	GENSCAN
Start	7996	End	9568
GI	none	Score	.8
Exons	7996..8447, 8521..8634, 8697..8886, 8961..9157, 9227..9568		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-
Start	7996	End	9619
Name	OJ000323_04.0424.C10.o2:np	Method	AAT/NAP
Start	7999	End	9619
GI	6691716	Score	1020
Exons	7999..8447, 8521..8634, 8784..8886, 8961..9148, 9227..9406, 9485..9619		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	57059	Seq. ID	OJ000323_04.0424.C10
Gene No.	119531	Strand	-
Start	7996	End	9619
Name	OJ000323_04.0424.C10.o3.np	Method	AAT/NAP
Start	9196	End	9619
GI	5902447	Score	277
Exons	9196..9619		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119532	Strand	+
Start	4580	End	10446
Name	OJ000323_04.0424.C11.o2.gs	Method	GENSCAN
Start	4580	End	10446
GI	none	Score	.99
Exons	4580..7478, 10022..10446		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119533	Strand	+
Start	11120	End	11511
Name	OJ000323_04.0424.C11.o1.gp	Method	AAT/GAP
Start	11120	End	11511
GI	61140_1.R1084	Score	733
Exons	11120..11511		
GI Descrip.	'1706958 6.0e-18 (U58284) cellulose synthase [Gossypium hirsutum]'		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119534	Strand	-
Start	1	End	750
Name	OJ000323_04.0424.C11.o1.np	Method	AAT/NAP
Start	1	End	750
GI	5902448	Score	1235
Exons	1..750		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o6.tw	Method	TBLASTX:Wheat

Start	340	End	630
GI	none	Score	54
Exons	340..630, 377..490		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o2.tc	Method	TBLASTX:Cress
Start	5006	End	10107
GI	none	Score	52

Exons 5006..5071, 5012..5260, 5015..5065, 5078..5155, 5081..5209, 5081..5131, 5086..5289, 5087..5227, 5087..5494, 5090..5494, 5090..5494, 5090..5191, 5108..5362, 5119..5280, 5129..5425, 5222..5404, 5276..5494, 5297..5494, 5297..5797, 5492..6007, 5495..5914, 5495..6013, 5495..5662, 5522..6013, 5549..6013, 5549..6004, 5564..5869, 5639..5932, 5657..5725, 5660..6010, 5780..6013, 5813..6016, 5813..6373, 5876..6028, 5909..5935, 6023..6313, 6026..6295, 6029..6223, 6029..6316, 6032..6295, 6032..6307, 6041..6304, 6170..6307, 6317..6373, 6317..6448, 6371..6628, 6377..6628, 6386..6523, 6386..6484, 6386..6577, 6386..6628, 6410..6628, 6416..6628, 6446..6628, 6500..6628, 6539..6583, 6614..6640, 6937..7077, 6962..7054, 7085..7222, 7126..7218, 7249..7332, 7256..7414, 7447..7476, 7448..7477, 10033..10107

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o2.ts	Method	TBLASTX:Soybean
Start	5006	End	10386
GI	none	Score	216

Exons 5006..5494, 5036..5425, 5081..5494, 5086..5307, 5099..5488, 5114..5494, 5204..5317, 5267..5500, 5276..5383, 5348..5500, 5495..5866, 5495..6295, 5495..6004, 5521..5715, 5545..5658, 5549..6016, 5549..6004, 5549..5932, 5588..6010, 5639..5758, 5657..6007, 5759..6004, 5897..6004, 6017..6304, 6032..6301, 6032..6226, 6041..6295, 6056..6313, 6065..6295, 6104..6307, 6314..6382, 6386..6628, 6386..6628, 6386..6628, 6410..6628, 6922..7053, 6929..7036, 7094..7222, 7129..7215, 7256..7420, 7264..7338, 7427..7477, 7447..7476, 10033..10113, 10294..10386

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o2.tm	Method	TBLASTX:Maize
Start	5012	End	6654
GI	none	Score	47

Exons 5012..5071, 5018..5080, 5039..5299, 5075..5494, 5099..5494, 5099..5365, 5125..5355, 5132..5497, 5159..5443, 5243..5494, 5402..5518, 5454..5489, 5495..5932, 5495..5872, 5498..5656, 5504..5656, 5525..5653, 5548..5715, 5549..5791, 5579..5860, 5606..6013, 5618..5932, 5711..5845, 5720..5824, 5747..6019, 5750..6004, 5822..6025, 5930..6013, 5972..6226, 6026..6298, 6029..6295, 6099..6200, 6113..6295, 6113..6307, 6305..6382, 6314..6382, 6316..6378, 6320..6397, 6326..6628, 6328..6363, 6383..6577, 6386..6523, 6386..6628, 6386..6577, 6395..6628, 6395..6619, 6455..6628, 6461..6619, 6467..6616, 6556..6654

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o7.tw	Method	TBLASTX:Wheat
Start	5177	End	6628
GI	none	Score	140
Exons	5177..5482, 5243..5494, 5290..5415, 5522..5773, 5558..5845, 5588..5878, 5657..5983, 5750..6007, 6014..6295, 6032..6280, 6098..6316, 6311..6382, 6437..6628		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o3.tm	Method	TBLASTX:Maize
Start	6902	End	16778
GI	none	Score	106
Exons	6902..7036, 7067..7207, 7253..7417, 7448..7477, 10036..10107, 16686..16778		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o5.tw	Method	TBLASTX:Wheat
Start	7076	End	7411
GI	none	Score	141
Exons	7076..7222, 7256..7411		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o1.tm	Method	TBLASTX:Maize
Start	11316	End	14642
GI	none	Score	373
Exons	11316..11495, 11337..11666, 11342..11704, 11687..11926, 11751..11978, 12016..12381, 12029..12373, 12145..12381, 12452..12538, 12453..12503, 12536..12643, 12549..12635, 12929..13048, 12930..13049, 12986..13051, 13096..13605, 13103..13630, 14029..14079, 14033..14467, 14034..14642, 14498..14638		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o1.ts	Method	TBLASTX:Soybean
Start	11328	End	14480
GI	none	Score	376
Exons	11328..11495, 11342..11716, 11343..11669, 11696..11926, 11751..11927, 12005..12376, 12016..12378, 12292..12378, 12452..12523, 12456..12503, 12542..12643, 12543..12641, 12926..13048, 12927..13049, 13096..13221, 13103..13183, 13174..13605, 13175..13603, 14033..14479, 14034..14348, 14300..14470, 14403..14480		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348

Name	OJ000323_04.0424.C11.o1.tc	Method	TBLASTX:Cress
Start	11334	End	15572
GI	none	Score	328
Exons	11334..11669, 11342..11704, 11687..11926, 11751..11924, 12005..12376, 12016..12381, 12160..12378, 12452..12538, 12456..12503, 12530..12643, 12549..12632, 12932..13048, 12933..13049, 13096..13605, 13103..13603, 14033..14638, 14034..14642, 14811..14864, 15399..15572, 15400..15552		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o3.gs	Method	GENSCAN
Start	11339	End	16921
GI	none	Score	.68
Exons	11339..11926, 12025..12375, 12455..13048, 13081..13602, 14033..14645, 14746..15059, 15175..15302, 15404..15665, 15805..16021, 16691..16791, 16856..16921		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o2.np	Method	AAT/NAP
Start	11342	End	15657
GI	3511285	Score	3921
Exons	11342..11926, 12025..12375, 12455..12782, 12864..13048, 13126..13602, 14033..14642, 14746..14902, 15002..15090, 15203..15302, 15404..15657		
GI Descrip.	(AF081534) cellulose synthase [Populus alba x Populus tremula]		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o1.tw	Method	TBLASTX:Wheat
Start	11459	End	11870
GI	none	Score	233
Exons	11459..11704, 11460..11666, 11687..11869, 11757..11870, 11802..11870		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o2.gp	Method	AAT/GAP
Start	11562	End	12149
GI	14908_4.R1084	Score	936
Exons	11562..11926, 12025..12149		
GI Descrip.	'1706958 1.0e-70 (U58284) cellulose synthase [Gossypium hirsutum]'		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o3.tw	Method	TBLASTX:Wheat
Start	11870	End	12187
GI	none	Score	69
Exons	11870..11926, 11871..11978, 12005..12187, 12016..12183		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o3.gp	Method	AAT/GAP
Start	12160	End	12517
GI	45637_1.R1084	Score	538
Exons	12160..12375, 12455..12517		
GI Descrip.	'3511285 1.0e-22 (AF081534) cellulose synthase [Populus alba x Populus tremula]'		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o4.gp	Method	AAT/GAP
Start	12843	End	13292
GI	3761534	Score	680
Exons	12843..13048, 13126..13292		
GI Descrip.	3511285 2.0e-53 (AF081534) cellulose synthase [Populus alba x Populus tremula]		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o4.tw	Method	TBLASTX:Wheat
Start	12995	End	13341
GI	none	Score	50
Exons	12995..13048, 12996..13046, 13099..13218, 13103..13204, 13225..13341, 13229..13339		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o2.tw	Method	TBLASTX:Wheat
Start	13342	End	14182
GI	none	Score	227
Exons	13342..13605, 13346..13603, 14033..14182, 14034..14171		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o5.gp	Method	AAT/GAP
Start	15182	End	15619
GI	4881049	Score	607
Exons	15182..15302, 15404..15619		
GI Descrip.	3511285 1.0e-22 (AF081534) cellulose synthase [Populus alba x Populus tremula]		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o3.ts	Method	TBLASTX:Soybean
Start	15402	End	15588
GI	none	Score	175
Exons	15402..15569, 15403..15588		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-

Start	11339	End	17348
Name	OJ000323_04.0424.C11.o4.tm	Method	TBLASTX:Maize
Start	15402	End	15614
GI	none	Score	164
Exons	15402..15614, 15403..15597		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o6.gp	Method	AAT/GAP
Start	16444	End	16925
GI	1000_1.R1084	Score	665
Exons	16444..16737, 16856..16925		
GI Descrip.	'1352442/sp|P48600|IFE2_ORYSA 2.0e-67 EUKARYOTIC TRANSLATION INITIATION FACTOR 4E (EIF-4E) (EIF4E) (MRNA CAP-BINDING PROTEIN) (EIF-(ISO)4F 25 KD SUBUNIT) (EIF-(ISO)4F P28 SUBUNIT) >gi_1002917 (U34598) p28 [Oryza sativa]'		

Seq. No.	57060	Seq. ID	OJ000323_04.0424.C11
Gene No.	119535	Strand	-
Start	11339	End	17348
Name	OJ000323_04.0424.C11.o3.np	Method	AAT/NAP
Start	16690	End	17348
GI	1352442	Score	157
Exons	16690..16737, 16856..16930, 17290..17348		
GI Descrip.	EUKARYOTIC TRANSLATION INITIATION FACTOR 4E (EIF-4E) (EIF4E) (MRNA CAP-BINDING PROTEIN) (EIF-(ISO)4F 25 KD SUBUNIT) (EIF-(ISO)4F P28 SUBUNIT) gi|1002917 (U34598) p28 [Oryza sativa]		

Seq. No.	57061	Seq. ID	OJ000323_04.0424.C12
Gene No.	119536	Strand	-
Start	1	End	936
Name	OJ000323_04.0424.C12.o1.gp	Method	AAT/GAP
Start	1	End	678
GI	1000_1.R1084	Score	527
Exons	1..43, 225..374, 504..678		
GI Descrip.	'1352442/sp|P48600|IFE2_ORYSA 2.0e-67 EUKARYOTIC TRANSLATION INITIATION FACTOR 4E (EIF-4E) (EIF4E) (MRNA CAP-BINDING PROTEIN) (EIF-(ISO)4F 25 KD SUBUNIT) (EIF-(ISO)4F P28 SUBUNIT) >gi_1002917 (U34598) p28 [Oryza sativa]'		

Seq. No.	57061	Seq. ID	OJ000323_04.0424.C12
Gene No.	119536	Strand	-
Start	1	End	936
Name	OJ000323_04.0424.C12.o1.np	Method	AAT/NAP
Start	143	End	936
GI	1352442	Score	439
Exons	143..374, 504..695, 916..936		
GI Descrip.	EUKARYOTIC TRANSLATION INITIATION FACTOR 4E (EIF-4E) (EIF4E) (MRNA CAP-BINDING PROTEIN) (EIF-(ISO)4F 25 KD SUBUNIT) (EIF-(ISO)4F P28 SUBUNIT) gi|1002917 (U34598) p28 [Oryza sativa]		

Seq. No.	57061	Seq. ID	OJ000323_04.0424.C12
Gene No.	119536	Strand	-
Start	1	End	936
Name	OJ000323_04.0424.C12.o1.tc	Method	TBLASTX:Cress
Start	232	End	671

GI	none	Score	52
Exons	232..297, 234..308, 306..374, 553..648	307..372, 501..557, 552..671,	
Seq. No.	57061	Seq. ID	OJ000323_04.0424.C12
Gene No.	119536	Strand	-
Start	1	End	936
Name	OJ000323_04.0424.C12.o1.tm	Method	TBLASTX:Maize
Start	234	End	695
GI	none	Score	172
Exons	234..374, 247..375, 493..678, 505..681	501..671, 503..673, 504..695,	
Seq. No.	57061	Seq. ID	OJ000323_04.0424.C12
Gene No.	119536	Strand	-
Start	1	End	936
Name	OJ000323_04.0424.C12.o1.ts	Method	TBLASTX:Soybean
Start	246	End	691
GI	none	Score	86
Exons	246..371, 246..374, 256..372, 549..671, 551..691, 556..678	501..542, 501..539, 506..541,	
Seq. No.	57061	Seq. ID	OJ000323_04.0424.C12
Gene No.	119536	Strand	-
Start	1	End	936
Name	OJ000323_04.0424.C12.o1.gs	Method	GENSCAN
Start	249	End	672
GI	none	Score	.76
Exons	249..374, 504..672		
Seq. No.	57062	Seq. ID	OJ000403_05.0419.C1
Gene No.	119537	Strand	+
Start	263	End	1223
Name	OJ000403_05.0419.C1.o1.gs	Method	GENSCAN
Start	263	End	1198
GI	none	Score	.8
Exons	263..455, 788..1198		
Seq. No.	57062	Seq. ID	OJ000403_05.0419.C1
Gene No.	119537	Strand	+
Start	263	End	1223
Name	OJ000403_05.0419.C1.o1.np	Method	AAT/NAP
Start	336	End	1223
GI	6520161	Score	398
Exons	336..467, 777..1223		
GI Descrip.	(AB028198) ZF14 [Arabidopsis thaliana]		
Seq. No.	57062	Seq. ID	OJ000403_05.0419.C1
Gene No.	119537	Strand	+
Start	263	End	1223
Name	OJ000403_05.0419.C1.o1.ts	Method	TBLASTX:Soybean
Start	785	End	1222
GI	none	Score	98
Exons	785..877, 796..879, 869..1003,	897..956, 941..1003, 1118..1222	
Seq. No.	57063	Seq. ID	OJ000403_05.0419.C2
Gene No.	119538	Strand	+

Start	1	End	455
Name	OJ000403_05.0419.C2.o1.np	Method	AAT/NAP
Start	1	End	455
GI	6520161	Score	391
Exons	1..455		
GI Descrip.	(AB028198) ZF14 [Arabidopsis thaliana]		

Seq. No.	57063	Seq. ID	OJ000403_05.0419.C2
Gene No.	119539	Strand	-
Start	6807	End	7114
Name	OJ000403_05.0419.C2.o1.ts	Method	TBLASTX:Soybean
Start	3	End	359
GI	none	Score	249
Exons	3..200, 23..112, 176..256, 312..359		

Seq. No.	57063	Seq. ID	OJ000403_05.0419.C2
Gene No.	119539	Strand	-
Start	6807	End	7114
Name	OJ000403_05.0419.C2.o2.gs	Method	GENSCAN
Start	6807	End	7114
GI	none	Score	.92
Exons	6807..6851, 7048..7114		

Seq. No.	57064	Seq. ID	OJ000403_05.0419.C3
Gene No.	119540	Strand	+
Start	1064	End	1292
Name	OJ000403_05.0419.C3.o1.gs	Method	GENSCAN
Start	1064	End	1292
GI	none	Score	.4
Exons	1064..1292		

Seq. No.	57064	Seq. ID	OJ000403_05.0419.C3
Gene No.	119541	Strand	-
Start	2238	End	2525
Name	OJ000403_05.0419.C3.o2.gs	Method	GENSCAN
Start	2238	End	2525
GI	none	Score	.99
Exons	2238..2351, 2409..2525		

Seq. No.	57065	Seq. ID	OJ000403_05.0419.C4
Gene No.	119542	Strand	+
Start	1035	End	1307
Name	OJ000403_05.0419.C4.o1.gs	Method	GENSCAN
Start	1035	End	1307
GI	none	Score	.92
Exons	1035..1307		

Seq. No.	57065	Seq. ID	OJ000403_05.0419.C4
Gene No.	119543	Strand	+
Start	6774	End	10127
Name	OJ000403_05.0419.C4.o3.gs	Method	GENSCAN
Start	6774	End	10127
GI	none	Score	.7
Exons	6774..6805, 7883..7946, 8934..8954, 9951..10127		

Seq. No.	57065	Seq. ID	OJ000403_05.0419.C4
Gene No.	119544	Strand	+

Start	10541	End	11008
Name	OJ000403_05.0419.C4.o4.gs	Method	GENSCAN
Start	10541	End	11008
GI	none	Score	.93
Exons	10541..10665, 10763..11008		

Seq. No.	57066	Seq. ID	OJ000403_05.0419.C7
Gene No.	119545	Strand	+
Start	856	End	2408
Name	OJ000403_05.0419.C7.o1.gs	Method	GENSCAN
Start	856	End	2408
GI	none	Score	.74
Exons	856..1074, 1135..1362, 1583..1704, 1748..1913, 1998..2408		

Seq. No.	57066	Seq. ID	OJ000403_05.0419.C7
Gene No.	119545	Strand	+
Start	856	End	2408
Name	OJ000403_05.0419.C7.o1.np	Method	AAT/NAP
Start	1805	End	2396
GI	3738089	Score	275
Exons	1805..1913, 1998..2396		
GI Descrip.	(AC005617) putative bHLH transcription factor [Arabidopsis thaliana]		

Seq. No.	57066	Seq. ID	OJ000403_05.0419.C7
Gene No.	119546	Strand	-
Start	8479	End	8508
Name	OJ000403_05.0419.C7.o1.ts	Method	TBLASTX:Soybean
Start	1824	End	2375
GI	none	Score	123
Exons	1824..1916, 1983..2087, 2199..2375		

Seq. No.	57066	Seq. ID	OJ000403_05.0419.C7
Gene No.	119546	Strand	-
Start	8479	End	8508
Name	OJ000403_05.0419.C7.o3.gs	Method	GENSCAN
Start	8479	End	8508
GI	none	Score	.63
Exons	8479..8508		

Seq. No.	57067	Seq. ID	OJ000403_05.0419.C8
Gene No.	119547	Strand	+
Start	675	End	1660
Name	OJ000403_05.0419.C8.o1.gs	Method	GENSCAN
Start	675	End	1660
GI	none	Score	.49
Exons	675..693, 1569..1660		

Seq. No.	57067	Seq. ID	OJ000403_05.0419.C8
Gene No.	119548	Strand	+
Start	11453	End	18142
Name	OJ000403_05.0419.C8.o3.gs	Method	GENSCAN
Start	11453	End	18142
GI	none	Score	.7
Exons	11453..14018, 14433..14741, 14913..14992, 15329..15436, 15638..15735, 16030..16169, 17797..18142		

Seq. No.	57067	Seq. ID	OJ000403_05.0419.C8
Gene No.	119548	Strand	+
Start	11453	End	18142
Name	OJ000403_05.0419.C8.o1.np	Method	AAT/NAP
Start	11480	End	14842
GI	7434429	Score	3065
Exons	11480..14018, 14433..14842		
GI Descrip.	hypothetical protein F6H11.170 - Arabidopsis thaliana gi|2827715|emb|CAA16688.1| (AL021684) receptor protein kinase - like protein [Arabidopsis thaliana]		

Seq. No.	57067	Seq. ID	OJ000403_05.0419.C8
Gene No.	119548	Strand	+
Start	11453	End	18142
Name	OJ000403_05.0419.C8.o1.gp	Method	AAT/GAP
Start	13021	End	13407
GI	3761671	Score	701
Exons	13021..13407		
GI Descrip.	2827715/emb|CAA16688| 2.0e-26 (AL021684) receptor protein kinase - like protein [Arabidopsis thaliana]		

Seq. No.	57067	Seq. ID	OJ000403_05.0419.C8
Gene No.	119548	Strand	+
Start	11453	End	18142
Name	OJ000403_05.0419.C8.o2.gp	Method	AAT/GAP
Start	14703	End	15208
GI	3761672	Score	796
Exons	14703..15139, 15186..15208		

Seq. No.	57067	Seq. ID	OJ000403_05.0419.C8
Gene No.	119549	Strand	-
Start	14697	End	17456
Name	OJ000403_05.0419.C8.o5.tm	Method	TBLASTX:Maize
Start	944	End	1263
GI	none	Score	92
Exons	944..1084, 947..1087, 949..1098, 1081..1263, 1092..1259		

Seq. No.	57067	Seq. ID	OJ000403_05.0419.C8
Gene No.	119549	Strand	-
Start	14697	End	17456
Name	OJ000403_05.0419.C8.o1.tc	Method	TBLASTX:Cress
Start	11788	End	14778
GI	none	Score	42
Exons	11788..11961, 11807..11863, 11851..11916, 11918..12118, 11918..12082, 11918..12070, 11921..12481, 11924..12061, 11938..12045, 11939..12076, 11944..12108, 11990..12292, 11992..12333, 12002..12076, 12005..12289, 12065..12397, 12083..12232, 12086..12469, 12134..12304, 12134..12481, 12152..12220, 12197..12757, 12208..12330, 12212..12340, 12266..12478, 12278..12505, 12320..12454, 12385..12480, 12398..12478, 12497..12772, 12499..12756, 12506..12757, 12506..12688, 12593..12766, 12671..12766, 12782..13123, 12788..13255, 12797..12979, 12869..13030, 12875..13198, 12884..13099, 12884..13195, 12884..13195, 12884..13201, 12884..13198, 13004..13198, 13012..13122, 13073..13195, 13382..13612, 13441..13593, 13600..13932, 13601..13951, 13888..14016, 13958..14017, 14264..14332, 14426..14533,		

14431..14562, 14432..14566, 14509..14778, 14594..14752

Seq. No.	57067	Seq. ID	OJ000403_05.0419.C8
Gene No.	119549	Strand	-
Start	14697	End	17456
Name	OJ000403_05.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	11875	End	13201
GI	none	Score	658
Exons	11875..12339, 11918..12337, 11941..12375, 11957..12373, 11967..12077, 12167..12442, 12230..12484, 12287..12451, 12446..12505, 12448..12480, 12506..12730, 12541..12717, 12866..13093, 12869..12934, 12875..13021, 12884..13162, 12956..13201, 12966..13121, 13097..13195		

Seq. No.	57067	Seq. ID	OJ000403_05.0419.C8
Gene No.	119549	Strand	-
Start	14697	End	17456
Name	OJ000403_05.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	11878	End	14728
GI	none	Score	104
Exons	11878..12075, 11918..12082, 11924..12076, 11924..12070, 11924..12076, 11939..12076, 11939..12040, 11957..12481, 11989..12111, 12086..12337, 12086..12400, 12095..12484, 12148..12324, 12278..12481, 12302..12481, 12383..12505, 12386..12757, 12491..12757, 12493..12687, 12494..13294, 12724..12924, 12869..13195, 12875..13198, 12884..13195, 12884..13195, 12886..12987, 12895..13194, 12964..13095, 12974..13099, 13027..13122, 13147..13275, 13400..13606, 13441..13581, 13589..13966, 13621..13932, 13964..14017, 13969..14016, 14431..14538, 14432..14539, 14536..14724, 14537..14728		

Seq. No.	57067	Seq. ID	OJ000403_05.0419.C8
Gene No.	119549	Strand	-
Start	14697	End	17456
Name	OJ000403_05.0419.C8.o4.tm	Method	TBLASTX:Maize
Start	13201	End	13534
GI	none	Score	156
Exons	13201..13296, 13202..13303, 13297..13533, 13367..13534		

Seq. No.	57067	Seq. ID	OJ000403_05.0419.C8
Gene No.	119549	Strand	-
Start	14697	End	17456
Name	OJ000403_05.0419.C8.o2.tm	Method	TBLASTX:Maize
Start	13600	End	14527
GI	none	Score	257
Exons	13600..13752, 13601..13750, 13696..13752, 13751..13960, 13752..13799, 13753..13932, 13787..13957, 13888..14016, 13955..14017, 14430..14483, 14431..14526, 14432..14527		

Seq. No.	57067	Seq. ID	OJ000403_05.0419.C8
Gene No.	119549	Strand	-
Start	14697	End	17456
Name	OJ000403_05.0419.C8.o1.tw	Method	TBLASTX:Wheat
Start	13624	End	13918
GI	none	Score	357
Exons	13624..13917, 13625..13918		

Seq. No.	57067	Seq. ID	OJ000403_05.0419.C8
Gene No.	119549	Strand	-
Start	14697	End	17456
Name	OJ000403_05.0419.C8.o3.tm	Method	TBLASTX:Maize
Start	14527	End	14940
GI	none	Score	387
Exons	14527..14823, 14528..14824, 14810..14920, 14811..14921, 14815..14922, 14815..14940		

Seq. No.	57067	Seq. ID	OJ000403_05.0419.C8
Gene No.	119549	Strand	-
Start	14697	End	17456
Name	OJ000403_05.0419.C8.o2.np	Method	AAT/NAP
Start	14697	End	17456
GI	6503190	Score	104
Exons	14697..14724, 17351..17456		
GI Descrip.	(AF200688) tyrosine kinase ZAK1 [Dictyostelium discoideum]		

Seq. No.	57067	Seq. ID	OJ000403_05.0419.C8
Gene No.	119549	Strand	-
Start	14697	End	17456
Name	OJ000403_05.0419.C8.o3.gp	Method	AAT/GAP
Start	17346	End	17454
GI	5867_1.R1084	Score	129
Exons	17346..17454		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	57068	Seq. ID	OJ000403_05.0419.C9
Gene No.	119550	Strand	+
Start	170	End	748
Name	OJ000403_05.0419.C9.o1.np	Method	AAT/NAP
Start	170	End	748
GI	130997	Score	100
Exons	170..748		
GI Descrip.	REPETITIVE PROLINE-RICH CELL WALL PROTEIN 1 PRECURSOR gi|81809|pir||A29324 proline-rich protein precursor - soybean gi|170049 (J02746) proline-rich protein [Glycine max]		

Seq. No.	57068	Seq. ID	OJ000403_05.0419.C9
Gene No.	119551	Strand	+
Start	5754	End	6312
Name	OJ000403_05.0419.C9.o3.gs	Method	GENSCAN
Start	5754	End	6312
GI	none	Score	.97
Exons	5754..5782, 6174..6312		

Seq. No.	57068	Seq. ID	OJ000403_05.0419.C9
Gene No.	119552	Strand	-
Start	1771	End	4028
Name	OJ000403_05.0419.C9.o2.np	Method	AAT/NAP

Start	1351	End	2837
GI	5852093	Score	79
Exons	1351..1467, 2784..2837		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	57068	Seq. ID	OJ000403_05.0419.C9
Gene No.	119552	Strand	-
Start	1771	End	4028
Name	OJ000403_05.0419.C9.o1.gs	Method	GENSCAN
Start	1771	End	2025
GI	none	Score	.82
Exons	1771..1890, 1933..2025		

Seq. No.	57068	Seq. ID	OJ000403_05.0419.C9
Gene No.	119552	Strand	-
Start	1771	End	4028
Name	OJ000403_05.0419.C9.o2.gs	Method	GENSCAN
Start	2450	End	4028
GI	none	Score	.87
Exons	2450..2867, 3674..3928, 3964..4028		

Seq. No.	57068	Seq. ID	OJ000403_05.0419.C9
Gene No.	119553	Strand	-
Start	8281	End	8779
Name	OJ000403_05.0419.C9.o4.gs	Method	GENSCAN
Start	8281	End	8779
GI	none	Score	.67
Exons	8281..8394, 8417..8456, 8489..8779		

Seq. No.	57069	Seq. ID	OJ000403_05.0419.C10
Gene No.	119554	Strand	-
Start	70	End	1271
Name	OJ000403_05.0419.C10.o1.gs	Method	GENSCAN
Start	70	End	1255
GI	none	Score	.43
Exons	70..200, 1192..1255		

Seq. No.	57069	Seq. ID	OJ000403_05.0419.C10
Gene No.	119554	Strand	-
Start	70	End	1271
Name	OJ000403_05.0419.C10.o1.gp	Method	AAT/GAP
Start	921	End	1271
GI	none	Score	668
Exons	921..1271		

Seq. No.	57070	Seq. ID	OJ000403_05.0419.C11
Gene No.	119555	Strand	-
Start	1	End	77
Name	OJ000403_05.0419.C11.o1.gp	Method	AAT/GAP
Start	1	End	77
GI	uC-osflcyp022c06b2	Score	142
Exons	1..77		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	57070	Seq. ID	OJ000403_05.0419.C11
Gene No.	119556	Strand	-

Start	1146	End	1494
Name	OJ000403_05.0419.C11.o1.gs	Method	GENSCAN
Start	1146	End	1494
GI	none	Score	.49
Exons	1146..1327, 1377..1494		

Seq. No.	57071	Seq. ID	OJ000403_05.0419.C12
Gene No.	119557	Strand	+
Start	98	End	316
Name	OJ000403_05.0419.C12.o1.gs	Method	GENSCAN
Start	98	End	316
GI	none	Score	.48
Exons	98..179, 282..316		

Seq. No.	57071	Seq. ID	OJ000403_05.0419.C12
Gene No.	119558	Strand	-
Start	825	End	3430
Name	OJ000403_05.0419.C12.o2.gs	Method	GENSCAN
Start	825	End	3430
GI	none	Score	.54
Exons	825..1029, 1236..1305, 2470..2566, 2935..3129, 3245..3430		

Seq. No.	57071	Seq. ID	OJ000403_05.0419.C12
Gene No.	119558	Strand	-
Start	825	End	3430
Name	OJ000403_05.0419.C12.o1.gp	Method	AAT/GAP
Start	944	End	2961
GI	21540_1.R1084	Score	1210
Exons	944..1305, 1390..1481, 1895..1965, 2470..2566, 2935..2961		
GI Descrip.	'4835237/emb|CAB42915.1| 2.0e-34 (AL049862) putative clathrin coat assembly protein [Arabidopsis thaliana]'		

Seq. No.	57071	Seq. ID	OJ000403_05.0419.C12
Gene No.	119558	Strand	-
Start	825	End	3430
Name	OJ000403_05.0419.C12.o1.tm	Method	TBLASTX:Maize
Start	1210	End	3379
GI	none	Score	65
Exons	1210..1308, 1235..1306, 1237..1308, 1386..1484, 1389..1484, 1850..1966, 1892..1975, 1893..1967, 1897..1968, 2471..2566, 2471..2566, 2472..2567, 2484..2567, 2927..3004, 2927..2992, 2935..3003, 3082..3141, 3086..3130, 3088..3141, 3304..3372, 3305..3379, 3305..3379		

Seq. No.	57071	Seq. ID	OJ000403_05.0419.C12
Gene No.	119558	Strand	-
Start	825	End	3430
Name	OJ000403_05.0419.C12.o1.np	Method	AAT/NAP
Start	1389	End	3372
GI	7484872	Score	398
Exons	1389..1481, 1895..1965, 2470..2566, 2935..2996, 3087..3129, 3304..3372		
GI Descrip.	clathrin coat assembly protein homolog F18B3.140 - Arabidopsis thaliana gi|4835237|emb|CAB42915.1| (AL049862) putative clathrin coat assembly protein [Arabidopsis thaliana]		

Seq. No.	57072	Seq. ID	OJ000403_05.0419.C13

Gene No.	119559	Strand	+
Start	4849	End	6564
Name	OJ000403_05.0419.C13.o1.np	Method	AAT/NAP
Start	4849	End	5841
GI	2505879	Score	289
Exons	4849..5547, 5629..5841		
GI Descrip.	(Y12776) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	57072	Seq. ID	OJ000403_05.0419.C13
Gene No.	119559	Strand	+
Start	4849	End	6564
Name	OJ000403_05.0419.C13.o1.gp	Method	AAT/GAP
Start	4947	End	5099
GI	none	Score	279
Exons	4947..5099		

Seq. No.	57072	Seq. ID	OJ000403_05.0419.C13
Gene No.	119559	Strand	+
Start	4849	End	6564
Name	OJ000403_05.0419.C13.o2.np	Method	AAT/NAP
Start	5257	End	6564
GI	5777617	Score	89
Exons	5257..5322, 6441..6564		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	57072	Seq. ID	OJ000403_05.0419.C13
Gene No.	119560	Strand	-
Start	5713	End	6184
Name	OJ000403_05.0419.C13.o1.ts	Method	TBLASTX:Soybean
Start	4905	End	5448
GI	none	Score	110
Exons	4905..5009, 4906..5034, 5116..5247, 5124..5219, 5248..5301, 5322..5393, 5323..5448		

Seq. No.	57072	Seq. ID	OJ000403_05.0419.C13
Gene No.	119560	Strand	-
Start	5713	End	6184
Name	OJ000403_05.0419.C13.o2.gp	Method	AAT/GAP
Start	5713	End	6184
GI	none	Score	888
Exons	5713..6184		

Seq. No.	57073	Seq. ID	OJ000323_09.0424.C1
Gene No.	119561	Strand	+
Start	105	End	1713
Name	OJ000323_09.0424.C1.o1.ts	Method	TBLASTX:Soybean
Start	104	End	869
GI	none	Score	38
Exons	104..130, 105..131, 245..331, 246..344, 724..852, 738..869, 758..865, 789..869		

Seq. No.	57073	Seq. ID	OJ000323_09.0424.C1
Gene No.	119561	Strand	+
Start	105	End	1713
Name	OJ000323_09.0424.C1.o1.np	Method	AAT/NAP
Start	105	End	1713
GI	4895195	Score	475

Exons 105..338, 744..961, 1044..1159, 1474..1575, 1662..1713
GI Descrip. (AC007661) putative mitochondrial carrier protein [Arabidopsis thaliana]

Seq. No. 57073 Seq. ID OJ000323_09.0424.C1
Gene No. 119561 Strand +
Start 105 End 1713
Name OJ000323_09.0424.C1.o1.gs Method GENSCAN
Start 129 End 1575
GI none Score .94
Exons 129..338, 744..920, 1013..1159, 1474..1575

Seq. No. 57073 Seq. ID OJ000323_09.0424.C1
Gene No. 119561 Strand +
Start 105 End 1713
Name OJ000323_09.0424.C1.o1.tm Method TBLASTX:Maize
Start 842 End 1530
GI none Score 134
Exons 842..919, 843..923, 1013..1165, 1021..1155, 1090..1203, 1471..1530, 1481..1528

Seq. No. 57074 Seq. ID OJ000323_09.0424.C2
Gene No. 119562 Strand +
Start 4 End 660
Name OJ000323_09.0424.C2.o1.gs Method GENSCAN
Start 4 End 660
GI none Score .66
Exons 4..660

Seq. No. 57074 Seq. ID OJ000323_09.0424.C2
Gene No. 119563 Strand +
Start 1004 End 6133
Name OJ000323_09.0424.C2.o2.np Method AAT/NAP
Start 1004 End 6133
GI 6759445 Score 1027
Exons 1004..1046, 2806..2928, 3066..3132, 3226..3296, 3665..3782, 3856..3929, 4497..4567, 4647..4723, 4862..4899, 5371..5427, 5642..6133
GI Descrip. (AL137189) putative protein [Arabidopsis thaliana]

Seq. No. 57074 Seq. ID OJ000323_09.0424.C2
Gene No. 119563 Strand +
Start 1004 End 6133
Name OJ000323_09.0424.C2.o2.gs Method GENSCAN
Start 1965 End 6080
GI none Score .59
Exons 1965..2263, 2626..2928, 3066..3171, 3226..3296, 3665..3782, 3856..3929, 4314..4369, 4484..4567, 4647..4734, 4822..4899, 5642..6080

Seq. No. 57074 Seq. ID OJ000323_09.0424.C2
Gene No. 119563 Strand +
Start 1004 End 6133
Name OJ000323_09.0424.C2.o1.gp Method AAT/GAP
Start 2809 End 4352
GI 21886_1.R1084 Score 802
Exons 2809..2928, 3066..3132, 3226..3296, 3665..3782, 3856..3928,

	4314..4352
GI Descrip.	'1001478/dbj|BAA10104| 6.0e-15 (D63999) hypothetical protein [Synechocystis sp.]'

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119563	Strand	+
Start	1004	End	6133
Name	OJ000323_09.0424.C2.o2.gp	Method	AAT/GAP
Start	5387	End	6034
GI	LIB3432-006-P1-K1-F3	Score	811
Exons	5387..5427, 5642..6034		
GI Descrip.	'1001478/dbj|BAA10104| 4.0e-24 (D63999) hypothetical protein [Synechocystis sp.]'		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119564	Strand	+
Start	14280	End	17736
Name	OJ000323_09.0424.C2.o4.gs	Method	GENSCAN
Start	14280	End	17736
GI	none	Score	.9
Exons	14280..14381, 15064..15234, 15330..15407, 15531..15605, 15701..15831, 15983..16037, 16142..16252, 16573..16641, 16722..16829, 17301..17355, 17534..17736		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119564	Strand	+
Start	14280	End	17736
Name	OJ000323_09.0424.C2.o4.gp	Method	AAT/GAP
Start	15091	End	15818
GI	21781_1.R1084	Score	755
Exons	15091..15234, 15330..15407, 15531..15605, 15701..15818		
GI Descrip.	'2088650 1.0e-34 (AF002109) peroxisomal ATP/ADP carrier protein isolog [Arabidopsis thaliana]'		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119564	Strand	+
Start	14280	End	17736
Name	OJ000323_09.0424.C2.o4.np	Method	AAT/NAP
Start	15154	End	17703
GI	2088650	Score	848
Exons	15154..15234, 15330..15407, 15531..15605, 15701..15831, 15983..16037, 16142..16252, 16573..16641, 16722..16829, 17141..17209, 17301..17355, 17534..17703		
GI Descrip.	(AF002109) putative peroxisomal membrane carrier protein [Arabidopsis thaliana]		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119564	Strand	+
Start	14280	End	17736
Name	OJ000323_09.0424.C2.o5.gp	Method	AAT/GAP
Start	15561	End	16060
GI	uC-osrocyp007g02b1	Score	380
Exons	15561..15605, 15701..15831, 15983..16060		
GI Descrip.	'2088650 2.0e-43 (AF002109) peroxisomal ATP/ADP carrier protein isolog [Arabidopsis thaliana]'		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2

Gene No.	119565	Strand	+
Start	18807	End	19730
Name	OJ000323_09.0424.C2.o5.gs	Method	GENSCAN
Start	18807	End	19680
GI	none	Score	1
Exons	18807..19680		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119565	Strand	+
Start	18807	End	19730
Name	OJ000323_09.0424.C2.o5.np	Method	AAT/NAP
Start	18840	End	19730
GI	3914665	Score	804
Exons	18840..19730		
GI Descrip.	50S RIBOSOMAL PROTEIN L4, CHLOROPLAST PRECURSOR (R-PROTEIN L4) gi|7440644|pir||T09170 ribosomal protein L4, chloroplast - spinach gi|2792007|emb|CAA75149.1| (Y14932) chloroplast ribosomal protein L4 [Spinacia oleracea]		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119566	Strand	-
Start	6039	End	6431
Name	OJ000323_09.0424.C2.o3.gp	Method	AAT/GAP
Start	6039	End	6431
GI	none	Score	771
Exons	6039..6431		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119567	Strand	-
Start	7742	End	12639
Name	OJ000323_09.0424.C2.o3.gs	Method	GENSCAN
Start	7742	End	12639
GI	none	Score	.66
Exons	7742..7831, 8018..8197, 8968..9266, 10281..10339, 12566..12639		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119567	Strand	-
Start	7742	End	12639
Name	OJ000323_09.0424.C2.o3.np	Method	AAT/NAP
Start	7777	End	9051
GI	3582334	Score	505
Exons	7777..8197, 8968..9051		
GI Descrip.	(AC005496) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119568	Strand	-
Start	17542	End	18051
Name	OJ000323_09.0424.C2.o6.ts	Method	TBLASTX:Soybean
Start	585	End	843
GI	none	Score	184
Exons	585..842, 661..843		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119568	Strand	-
Start	17542	End	18051
Name	OJ000323_09.0424.C2.o7.tm	Method	TBLASTX:Maize
Start	660	End	858

GI	none	Score	233
Exons	660..857, 661..858		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119568	Strand	-
Start	17542	End	18051
Name	OJ000323_09.0424.C2.o1.ts	Method	TBLASTX:Soybean
Start	2864	End	6067
GI	none	Score	74
Exons	2864..2929, 3027..3158, 3064..3159, 3214..3291, 3231..3296, 3656..3784, 3663..3785, 3855..3932, 3856..3927, 4314..4358, 4315..4368, 4485..4559, 4489..4566, 4636..4734, 4637..4732, 4662..4763, 4816..4899, 4817..4897, 5372..5428, 5639..6064, 5640..6062, 5879..6067		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119568	Strand	-
Start	17542	End	18051
Name	OJ000323_09.0424.C2.o6.tm	Method	TBLASTX:Maize
Start	3087	End	4702
GI	none	Score	85
Exons	3087..3155, 3088..3135, 3095..3157, 3223..3294, 3226..3294, 3228..3296, 3659..3784, 3662..3787, 3663..3788, 3667..3792, 3855..3932, 3856..3930, 4314..4370, 4315..4368, 4315..4398, 4319..4381, 4447..4584, 4485..4562, 4636..4692, 4637..4702, 4646..4702		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119568	Strand	-
Start	17542	End	18051
Name	OJ000323_09.0424.C2.o4.tc	Method	TBLASTX:Cress
Start	4640	End	5759
GI	none	Score	126
Exons	4640..4732, 4654..4734, 4816..4899, 4817..4897, 5365..5427, 5372..5428, 5639..5752, 5640..5759		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119568	Strand	-
Start	17542	End	18051
Name	OJ000323_09.0424.C2.o2.tm	Method	TBLASTX:Maize
Start	4703	End	6062
GI	none	Score	43
Exons	4703..4732, 4816..4899, 4817..4897, 4820..4930, 5365..5427, 5372..5428, 5375..5428, 5639..5719, 5640..5720, 5720..6001, 5721..6005, 6003..6062		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119568	Strand	-
Start	17542	End	18051
Name	OJ000323_09.0424.C2.o2.tc	Method	TBLASTX:Cress
Start	5822	End	6063
GI	none	Score	276
Exons	5822..6061, 5823..6062, 5947..6063		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119568	Strand	-
Start	17542	End	18051

Name	OJ000323_09.0424.C2.o4.ts	Method	TBLASTX:Soybean
Start	7910	End	8222
GI	none	Score	178
Exons	7910..8008, 7959..8222, 7967..8221		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119568	Strand	-
Start	17542	End	18051
Name	OJ000323_09.0424.C2.o5.tm	Method	TBLASTX:Maize
Start	7988	End	9141
GI	none	Score	195
Exons	7988..8158, 7989..8159, 8151..8198, 8159..8206, 8966..9031, 8966..9031, 8967..9032, 8968..9033, 9063..9128, 9066..9131, 9067..9132, 9082..9141		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119568	Strand	-
Start	17542	End	18051
Name	OJ000323_09.0424.C2.o8.tm	Method	TBLASTX:Maize
Start	11773	End	12105
GI	none	Score	68
Exons	11773..11892, 11905..11946, 11944..12105, 12002..12094		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119568	Strand	-
Start	17542	End	18051
Name	OJ000323_09.0424.C2.o1.tw	Method	TBLASTX:Wheat
Start	11996	End	12351
GI	none	Score	95
Exons	11996..12166, 11998..12351		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119568	Strand	-
Start	17542	End	18051
Name	OJ000323_09.0424.C2.o3.tm	Method	TBLASTX:Maize
Start	15171	End	16832
GI	none	Score	116
Exons	15171..15242, 15330..15401, 15330..15410, 15530..15604, 15537..15605, 15697..15831, 15699..15821, 15701..15832, 15957..16037, 15957..16037, 15983..16039, 16121..16252, 16137..16256, 16138..16251, 16574..16642, 16575..16643, 16575..16646, 16576..16644, 16720..16827, 16721..16831, 16721..16828, 16722..16832, 16733..16798, 16734..16832		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119568	Strand	-
Start	17542	End	18051
Name	OJ000323_09.0424.C2.o3.tc	Method	TBLASTX:Cress
Start	16573	End	17700
GI	none	Score	93
Exons	16573..16644, 16573..16647, 16721..16792, 16722..16790, 16776..16829, 17135..17209, 17140..17208, 17295..17360, 17306..17368, 17532..17669, 17532..17684, 17533..17700		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119568	Strand	-
Start	17542	End	18051

Name	OJ000323_09.0424.C2.o4.tm	Method	TBLASTX:Maize
Start	17128	End	17739
GI	none	Score	111
Exons	17128..17214, 17135..17209, 17140..17211, 17141..17224, 17273..17374, 17287..17361, 17295..17372, 17532..17735, 17532..17735, 17533..17739, 17536..17736		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119568	Strand	-
Start	17542	End	18051
Name	OJ000323_09.0424.C2.o5.ts	Method	TBLASTX:Soybean
Start	17530	End	17721
GI	none	Score	199
Exons	17530..17721, 17531..17704, 17532..17711		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119568	Strand	-
Start	17542	End	18051
Name	OJ000323_09.0424.C2.o6.gp	Method	AAT/GAP
Start	17542	End	18051
GI	50074_1.R1084	Score	956
Exons	17542..18051		
GI Descrip.	'1781299/emb|CAA70700| 5.0e-15 (Y09506) transformer-SR ribonucleoprotein [Nicotiana tabacum]'		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119569	Strand	
Start	18950	End	19679
Name	OJ000323_09.0424.C2.o1.tm	Method	TBLASTX:Maize
Start	18950	End	19661
GI	none	Score	620
Exons	18950..19330, 18951..19343, 19356..19640, 19400..19642, 19401..19661		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119569	Strand	
Start	18950	End	19679
Name	OJ000323_09.0424.C2.o1.tc	Method	TBLASTX:Cress
Start	18981	End	19661
GI	none	Score	503
Exons	18981..19343, 19025..19330, 19403..19630, 19404..19661		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119569	Strand	
Start	18950	End	19679
Name	OJ000323_09.0424.C2.o2.ts	Method	TBLASTX:Soybean
Start	19005	End	19214
GI	none	Score	294
Exons	19005..19214, 19019..19213		

Seq. No.	57074	Seq. ID	OJ000323_09.0424.C2
Gene No.	119569	Strand	
Start	18950	End	19679
Name	OJ000323_09.0424.C2.o3.ts	Method	TBLASTX:Soybean
Start	19389	End	19679
GI	none	Score	123
Exons	19389..19619, 19403..19630, 19403..19630, 19404..19679		

Seq. No.	57075	Seq. ID	OJ000323_09.0424.C3
Gene No.	119570	Strand	-
Start	2199	End	2357
Name	OJ000323_09.0424.C3.o1.gs	Method	GENSCAN
Start	2199	End	2357
GI	none	Score	.94
Exons	2199..2357		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119571	Strand	+
Start	2669	End	3182
Name	OJ000323_09.0424.C4.o1.gp	Method	AAT/GAP
Start	2669	End	3182
GI	none	Score	763
Exons	2669..2749, 2837..3182		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119572	Strand	+
Start	4609	End	7285
Name	OJ000323_09.0424.C4.o2.gp	Method	AAT/GAP
Start	4404	End	4944
GI	none	Score	955
Exons	4404..4944		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119572	Strand	+
Start	4609	End	7285
Name	OJ000323_09.0424.C4.o2.gs	Method	GENSCAN
Start	4609	End	7285
GI	none	Score	.7
Exons	4609..4700, 4986..5522, 5902..6092, 6135..6388, 6500..7285		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119572	Strand	+
Start	4609	End	7285
Name	OJ000323_09.0424.C4.o2.np	Method	AAT/NAP
Start	5032	End	7282
GI	2088647	Score	1542
Exons	5032..5522, 5902..6388, 6500..7282		
GI Descrip.	(AF002109) unknown protein [Arabidopsis thaliana] gi|3158394 (AF036340) LRR-containing F-box protein [Arabidopsis thaliana]		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119572	Strand	+
Start	4609	End	7285
Name	OJ000323_09.0424.C4.o3.gp	Method	AAT/GAP
Start	5173	End	6004
GI	uC-osflcyp139f10b1	Score	854
Exons	5173..5522, 5902..6004		
GI Descrip.	'2088647 2.0e-41 (AF002109) hypothetical protein [Arabidopsis thaliana] >gi_3158394 (AF036340) LRR-containing F-box protein [Arabidopsis thaliana]'		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119573	Strand	-
Start	84	End	2532

Name	OJ000323_09.0424.C4.o1.np	Method	AAT/NAP
Start	84	End	1582
GI	5852093	Score	55
Exons	84..202, 1533..1582		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119573	Strand	-
Start	84	End	2532
Name	OJ000323_09.0424.C4.o1.gs	Method	GENSCAN
Start	1057	End	2532
GI	none	Score	.67
Exons	1057..1477, 1483..1699, 2511..2532		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119574	Strand	-
Start	7104	End	7616
Name	OJ000323_09.0424.C4.o4.gp	Method	AAT/GAP
Start	7104	End	7616
GI	none	Score	1022
Exons	7104..7616		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119575	Strand	-
Start	8474	End	10568
Name	OJ000323_09.0424.C4.o2.tm	Method	TBLASTX:Maize
Start	5035	End	5451
GI	none	Score	619
Exons	5035..5190, 5067..5450, 5068..5451, 5293..5451		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119575	Strand	-
Start	8474	End	10568
Name	OJ000323_09.0424.C4.o4.ts	Method	TBLASTX:Soybean
Start	5044	End	5307
GI	none	Score	268
Exons	5044..5184, 5077..5307, 5082..5306		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119575	Strand	-
Start	8474	End	10568
Name	OJ000323_09.0424.C4.o1.tc	Method	TBLASTX:Cress
Start	5083	End	7261
GI	none	Score	441
Exons	5083..5523, 5118..5324, 5945..6022, 6026..6175, 6203..6388, 6239..6382, 6485..6613, 6502..6558, 6590..7165, 6622..7164, 6644..7165, 7202..7261		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119575	Strand	-
Start	8474	End	10568
Name	OJ000323_09.0424.C4.o2.ts	Method	TBLASTX:Soybean
Start	5308	End	6613
GI	none	Score	187
Exons	5308..5523, 5897..5956, 5945..6025, 5951..6022, 6044..6184, 6188..6388, 6220..6456, 6485..6613		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119575	Strand	-
Start	8474	End	10568
Name	OJ000323_09.0424.C4.o1.tm	Method	TBLASTX:Maize
Start	5455	End	7023
GI	none	Score	92
Exons	5455..5523, 5457..5531, 5892..6389, 5895..6389, 5897..6391, 5897..6391, 6490..6558, 6495..6557, 6497..7021, 6499..6558, 6603..6752, 6614..7021, 6628..7023, 6640..7023		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119575	Strand	-
Start	8474	End	10568
Name	OJ000323_09.0424.C4.o1.tw	Method	TBLASTX:Wheat
Start	6587	End	6976
GI	none	Score	444
Exons	6587..6976, 6634..6729, 6787..6969		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119575	Strand	-
Start	8474	End	10568
Name	OJ000323_09.0424.C4.o1.ts	Method	TBLASTX:Soybean
Start	6775	End	7270
GI	none	Score	89
Exons	6775..6966, 6776..7030, 6776..7024, 6778..7026, 7020..7160, 7021..7164, 7025..7165, 7141..7269, 7178..7270		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119575	Strand	-
Start	8474	End	10568
Name	OJ000323_09.0424.C4.o4.tm	Method	TBLASTX:Maize
Start	7025	End	7598
GI	none	Score	329
Exons	7025..7297, 7027..7299, 7028..7288, 7075..7290, 7494..7598		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119575	Strand	-
Start	8474	End	10568
Name	OJ000323_09.0424.C4.o3.gs	Method	GENSCAN
Start	8474	End	10474
GI	none	Score	.65
Exons	8474..8666, 8967..9312, 9436..9499, 9822..9971, 10043..10154, 10215..10338, 10418..10474		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119575	Strand	-
Start	8474	End	10568
Name	OJ000323_09.0424.C4.o3.tm	Method	TBLASTX:Maize
Start	8697	End	10245
GI	none	Score	71
Exons	8697..8762, 8698..8760, 8769..8870, 8781..8816, 8870..8917, 8874..8918, 8924..8947, 8958..8996, 8958..9035, 8963..9031, 9057..9098, 9100..9213, 9135..9215, 9135..9227, 9139..9264, 9159..9227, 9236..9301, 9238..9303, 9238..9300, 9435..9503, 9435..9503, 9436..9504, 9600..9629, 9600..9629, 9602..9631, 9644..9769, 9649..9771, 9667..9801, 9809..9883, 9814..9984, 9814..9972, 9819..9974, 10038..10130, 10040..10159,		

10040..10156, 10042..10245

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119575	Strand	-
Start	8474	End	10568
Name	OJ000323_09.0424.C4.o5.gp	Method	AAT/GAP
Start	8801	End	9320
GI	15883_1.R1084	Score	987
Exons	8801..9320		
GI Descrip.	'1781299/emb|CAA70700| 5.0e-15 (Y09506) transformer-SR ribonucleoprotein [Nicotiana tabacum]'		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119575	Strand	-
Start	8474	End	10568
Name	OJ000323_09.0424.C4.o2.tw	Method	TBLASTX:Wheat
Start	8858	End	9506
GI	none	Score	85
Exons	8858..8941, 9097..9195, 9100..9195, 9117..9227, 9130..9300, 9130..9300, 9432..9506, 9435..9506		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119575	Strand	-
Start	8474	End	10568
Name	OJ000323_09.0424.C4.o3.np	Method	AAT/NAP
Start	9049	End	10568
GI	7489207	Score	280
Exons	9049..9254, 9432..9499, 9822..9957, 10029..10154, 10270..10300, 10541..10568		
GI Descrip.	transformer-SR ribonucleoprotein - common tobacco (fragment) gi|1781299|emb|CAA70700.1| (Y09506) transformer-SR ribonucleoprotein [Nicotiana tabacum]		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119575	Strand	-
Start	8474	End	10568
Name	OJ000323_09.0424.C4.o2.tc	Method	TBLASTX:Cress
Start	9811	End	9971
GI	none	Score	145
Exons	9811..9969, 9822..9971		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119575	Strand	-
Start	8474	End	10568
Name	OJ000323_09.0424.C4.o3.ts	Method	TBLASTX:Soybean
Start	9817	End	10144
GI	none	Score	176
Exons	9817..9972, 9817..9963, 9819..9974, 10038..10130, 10039..10143, 10040..10144		

Seq. No.	57076	Seq. ID	OJ000323_09.0424.C4
Gene No.	119575	Strand	-
Start	8474	End	10568
Name	OJ000323_09.0424.C4.o6.gp	Method	AAT/GAP
Start	9830	End	10442
GI	3760422	Score	563
Exons	9830..9971, 10043..10151, 10270..10338, 10418..10442		

GI Descrip.	1781299/emb|CAA70700| 5.0e-15 (Y09506) transformer-SR ribonucleoprotein [Nicotiana tabacum]		
Seq. No.	57077	Seq. ID	OJ000323_09.0424.C5
Gene No.	119576	Strand	+
Start	137	End	10099
Name	OJ000323_09.0424.C5.o1.gs	Method	GENSCAN
Start	137	End	8954
GI	none	Score	.46
Exons	137..266, 2012..2196, 2254..2724, 5081..5594, 5648..5742, 5832..5924, 6265..6493, 6914..7020, 7160..7222, 7483..7583, 8930..8954		

Seq. No.	57077	Seq. ID	OJ000323_09.0424.C5
Gene No.	119576	Strand	+
Start	137	End	10099
Name	OJ000323_09.0424.C5.o1.np	Method	AAT/NAP
Start	822	End	905
GI	5852084	Score	78
Exons	822..905		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	57077	Seq. ID	OJ000323_09.0424.C5
Gene No.	119576	Strand	+
Start	137	End	10099
Name	OJ000323_09.0424.C5.o2.np	Method	AAT/NAP
Start	5330	End	10099
GI	4309760	Score	736
Exons	5330..5593, 5832..5935, 6228..6493, 6914..7020, 7160..7222, 7483..7656, 10056..10099		
GI Descrip.	(AC006217) unknown protein [Arabidopsis thaliana]		

Seq. No.	57077	Seq. ID	OJ000323_09.0424.C5
Gene No.	119577	Strand	-
Start	9563	End	9661
Name	OJ000323_09.0424.C5.o1.tm	Method	TBLASTX:Maize
Start	5230	End	6319
GI	none	Score	98
Exons	5230..5316, 5299..5379, 5307..5369, 5312..5386, 5314..5385, 5485..5556, 5486..5557, 5558..5590, 5559..5579, 5681..5749, 5682..5750, 5686..5751, 5829..5927, 5829..5924, 5831..5938, 5831..5926, 6263..6319, 6265..6318, 6269..6319		

Seq. No.	57077	Seq. ID	OJ000323_09.0424.C5
Gene No.	119577	Strand	-
Start	9563	End	9661
Name	OJ000323_09.0424.C5.o2.gs	Method	GENSCAN
Start	9563	End	9661
GI	none	Score	.88
Exons	9563..9661		

Seq. No.	57077	Seq. ID	OJ000323_09.0424.C5
Gene No.	119578	Strand	
Start	9782	End	10099
Name	OJ000323_09.0424.C5.o2.tm	Method	TBLASTX:Maize
Start	9782	End	10099
GI	none	Score	144

Exons	9782..9907, 9783..9908, 9855..9908, 10012..10098, 10013..10099		
Seq. No.	57078	Seq. ID	OJ000323_09.0424.C10
Gene No.	119579	Strand	+
Start	835	End	10690
Name	OJ000323_09.0424.C10.o1.gs	Method	GENSCAN
Start	835	End	10290
GI	none	Score	.74
Exons	835..928, 1408..1679, 3447..3602, 3694..3976, 4216..4369, 4396..4556, 4744..4860, 4951..5020, 5107..5255, 5939..6040, 6111..6311, 6951..7070, 7210..7428, 8100..8174, 8422..8515, 8940..8967, 9426..9627, 10114..10290		
Seq. No.	57078	Seq. ID	OJ000323_09.0424.C10
Gene No.	119579	Strand	+
Start	835	End	10690
Name	OJ000323_09.0424.C10.o1.np	Method	AAT/NAP
Start	4310	End	8538
GI	7485521	Score	490
Exons	4310..4369, 4744..4860, 4951..5025, 5112..5255, 5939..6044, 6115..6316, 7350..7410, 8076..8174, 8422..8538		
GI Descrip.	hypothetical protein F15J5.30 - Arabidopsis thaliana gi|5816992|emb|CAB53647.1| (AL110123) putative protein [Arabidopsis thaliana] gi|7268558|emb|CAB78808.1| (AL161547) putative protein [Arabidopsis thaliana]		
Seq. No.	57078	Seq. ID	OJ000323_09.0424.C10
Gene No.	119579	Strand	+
Start	835	End	10690
Name	OJ000323_09.0424.C10.o1.gp	Method	AAT/GAP
Start	7262	End	8608
GI	LIB3432-014-P1-K1-G11	Score	787
Exons	7262..7428, 8100..8174, 8422..8608		
GI Descrip.	'5816992/emb|CAB53647.1| 6.0e-18 (AL110123) putative protein [Arabidopsis thaliana]'		
Seq. No.	57078	Seq. ID	OJ000323_09.0424.C10
Gene No.	119579	Strand	+
Start	835	End	10690
Name	OJ000323_09.0424.C10.o4.np	Method	AAT/NAP
Start	9577	End	10690
GI	7340920	Score	154
Exons	9577..9611, 10575..10690		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		
Seq. No.	57078	Seq. ID	OJ000323_09.0424.C10
Gene No.	119580	Strand	+
Start	10764	End	14658
Name	OJ000323_09.0424.C10.o2.gs	Method	GENSCAN
Start	10764	End	14599
GI	none	Score	.42
Exons	10764..11019, 12034..12162, 12320..12515, 13208..13281, 13537..13672, 13854..13925, 14043..14073, 14552..14599		
Seq. No.	57078	Seq. ID	OJ000323_09.0424.C10
Gene No.	119580	Strand	+
Start	10764	End	14658

Name	OJ000323_09.0424.C10.o2.gp	Method	AAT/GAP
Start	12291	End	13616
GI	none	Score	1013
Exons	12291..12515, 13208..13443, 13537..13616		

Seq. No.	57078	Seq. ID	OJ000323_09.0424.C10
Gene No.	119580	Strand	+
Start	10764	End	14658
Name	OJ000323_09.0424.C10.o5.np	Method	AAT/NAP
Start	13470	End	14658
GI	4263791	Score	292
Exons	13470..13672, 13854..13925, 14002..14073, 14217..14288, 14552..14658		
GI Descrip.	(AC006068) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	57078	Seq. ID	OJ000323_09.0424.C10
Gene No.	119580	Strand	+
Start	10764	End	14658
Name	OJ000323_09.0424.C10.o3.gp	Method	AAT/GAP
Start	14036	End	14658
GI	LIB3434-023-P1-K1-C1	Score	282
Exons	14036..14073, 14217..14288, 14552..14658		
GI Descrip.	'4263791/gb|AAD15451| 6.0e-29 (AC006068) putative receptor protein kinase [Arabidopsis thaliana]'		

Seq. No.	57078	Seq. ID	OJ000323_09.0424.C10
Gene No.	119581	Strand	-
Start	8405	End	10555
Name	OJ000323_09.0424.C10.o3.tm	Method	TBLASTX:Maize
Start	4223	End	5019
GI	none	Score	98
Exons	4223..4270, 4304..4369, 4307..4369, 4384..4428, 4730..4858, 4740..4859, 4741..4860, 4743..4862, 4950..4976, 4950..4982, 4951..4989, 4966..5019, 4974..5018		

Seq. No.	57078	Seq. ID	OJ000323_09.0424.C10
Gene No.	119581	Strand	-
Start	8405	End	10555
Name	OJ000323_09.0424.C10.o1.ts	Method	TBLASTX:Soybean
Start	4307	End	6040
GI	none	Score	81
Exons	4307..4369, 4774..4860, 4918..5016, 4950..5024, 4951..5019, 5097..5258, 5105..5146, 5124..5228, 5168..5257, 5939..6040		

Seq. No.	57078	Seq. ID	OJ000323_09.0424.C10
Gene No.	119581	Strand	-
Start	8405	End	10555
Name	OJ000323_09.0424.C10.o1.tc	Method	TBLASTX:Cress
Start	4310	End	5246
GI	none	Score	76
Exons	4310..4369, 4774..4860, 4957..5022, 5112..5246		

Seq. No.	57078	Seq. ID	OJ000323_09.0424.C10
Gene No.	119581	Strand	-
Start	8405	End	10555
Name	OJ000323_09.0424.C10.o1.tm	Method	TBLASTX:Maize

Start	5945	End	7341
GI	none	Score	128
Exons	5945..6046, 5957..6043, 6080..6313, 6110..6313, 6997..7059, 7008..7073, 7207..7284, 7207..7284, 7276..7341, 7294..7329		

Seq. No.	57078	Seq. ID	OJ000323_09.0424.C10
Gene No.	119581	Strand	-
Start	8405	End	10555
Name	OJ000323_09.0424.C10.o3.np	Method	AAT/NAP
Start	8405	End	10250
GI	6006359	Score	78
Exons	8405..8432, 10150..10250		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	57078	Seq. ID	OJ000323_09.0424.C10
Gene No.	119581	Strand	-
Start	8405	End	10555
Name	OJ000323_09.0424.C10.o2.np	Method	AAT/NAP
Start	9443	End	10555
GI	7340920	Score	137
Exons	9443..9558, 10513..10555		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	57078	Seq. ID	OJ000323_09.0424.C10
Gene No.	119582	Strand	
Start	13323	End	13629
Name	OJ000323_09.0424.C10.o2.tm	Method	TBLASTX:Maize
Start	13323	End	13629
GI	none	Score	115
Exons	13323..13409, 13328..13441, 13328..13444, 13535..13627, 13536..13628, 13537..13629		

Seq. No.	57078	Seq. ID	OJ000323_09.0424.C10
Gene No.	119583	Strand	
Start	13854	End	14641
Name	OJ000323_09.0424.C10.o4.tm	Method	TBLASTX:Maize
Start	13854	End	14641
GI	none	Score	85
Exons	13854..13901, 13854..13925, 13855..13926, 13856..13933, 14002..14076, 14003..14074, 14004..14090, 14203..14256, 14217..14279, 14217..14279, 14218..14301, 14219..14287, 14535..14624, 14552..14641, 14553..14621, 14554..14622		

Seq. No.	57079	Seq. ID	OJ000323_09.0424.C11
Gene No.	119584	Strand	+
Start	1	End	1004
Name	OJ000323_09.0424.C11.o1.gp	Method	AAT/GAP
Start	1	End	450
GI	LIB3434-023-P1-K1-C1	Score	346
Exons	1..93, 357..450		
GI Descrip.	'4263791/gb|AAD15451| 6.0e-29 (AC006068) putative receptor protein kinase [Arabidopsis thaliana]'		

Seq. No.	57079	Seq. ID	OJ000323_09.0424.C11
Gene No.	119584	Strand	+
Start	1	End	1004
Name	OJ000323_09.0424.C11.o1.np	Method	AAT/NAP

Start	1	End	1004
GI	4263791	Score	580
Exons	1..85, 373..500, 606..1004		
GI Descrip.	(AC006068) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	57079	Seq. ID	OJ000323_09.0424.C11
Gene No.	119584	Strand	+
Start	1	End	1004
Name	OJ000323_09.0424.C11.o1.tc	Method	TBLASTX:Cress
Start	2	End	938
GI	none	Score	56
Exons	2..52, 3..50, 382..528, 383..547, 386..529, 604..933, 605..937, 852..938		

Seq. No.	57079	Seq. ID	OJ000323_09.0424.C11
Gene No.	119584	Strand	+
Start	1	End	1004
Name	OJ000323_09.0424.C11.o1.ts	Method	TBLASTX:Soybean
Start	2	End	937
GI	none	Score	77
Exons	2..52, 3..74, 373..528, 376..528, 383..547, 604..933, 605..937		

Seq. No.	57079	Seq. ID	OJ000323_09.0424.C11
Gene No.	119584	Strand	+
Start	1	End	1004
Name	OJ000323_09.0424.C11.o1.gs	Method	GENSCAN
Start	357	End	938
GI	none	Score	.66
Exons	357..527, 606..938		

Seq. No.	57079	Seq. ID	OJ000323_09.0424.C11
Gene No.	119584	Strand	+
Start	1	End	1004
Name	OJ000323_09.0424.C11.o1.tm	Method	TBLASTX:Maize
Start	381	End	959
GI	none	Score	203
Exons	381..527, 382..537, 382..528, 384..539, 603..953, 605..952, 879..959		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119585	Strand	+
Start	1	End	1874
Name	OJ000323_09.0424.C12.o1.np	Method	AAT/NAP
Start	1	End	1571
GI	4263791	Score	795
Exons	1..118, 699..963, 1108..1241, 1356..1571		
GI Descrip.	(AC006068) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119585	Strand	+
Start	1	End	1874
Name	OJ000323_09.0424.C12.o1.gs	Method	GENSCAN
Start	718	End	1568
GI	none	Score	.82
Exons	718..963, 1108..1241, 1356..1568		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119585	Strand	+
Start	1	End	1874
Name	OJ000323_09.0424.C12.o1.gp	Method	AAT/GAP
Start	779	End	1486
GI	LIB3433-031-P1-K1-B10	Score	809
Exons	779..963, 1108..1241, 1356..1486		
GI Descrip.	'4263791/gb|AAD15451| 8.0e-65 (AC006068) putative receptor protein kinase [Arabidopsis thaliana]'		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119585	Strand	+
Start	1	End	1874
Name	OJ000323_09.0424.C12.o2.gp	Method	AAT/GAP
Start	1460	End	1874
GI	5002802	Score	647
Exons	1460..1874		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119586	Strand	+
Start	2044	End	2792
Name	OJ000323_09.0424.C12.o3.gp	Method	AAT/GAP
Start	2044	End	2792
GI	208_1.R1084	Score	1448
Exons	2044..2792		
GI Descrip.	'1815660 2.0e-50 (U83669) low molecular mass heat shock protein Oshsp17.3 [Oryza sativa]'		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119587	Strand	+
Start	3195	End	3950
Name	OJ000323_09.0424.C12.o4.gp	Method	AAT/GAP
Start	3195	End	3950
GI	208_2.R1084	Score	1387
Exons	3195..3950		
GI Descrip.	'2119194/pir||JC4377 8.0e-47 low-molecular-weight heat-shock protein - rice >gi_1815662 (U83670) low molecular mass heat shock protein Oshsp18.0 [Oryza sativa]'		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119587	Strand	+
Start	3195	End	3950
Name	OJ000323_09.0424.C12.o3.gs	Method	GENSCAN
Start	3277	End	3762
GI	none	Score	.96
Exons	3277..3762		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119587	Strand	+
Start	3195	End	3950
Name	OJ000323_09.0424.C12.o3.np	Method	AAT/NAP
Start	3277	End	3759
GI	2119194	Score	813
Exons	3277..3759		
GI Descrip.	low-molecular-weight heat-shock protein - rice gi|1815662 (U83670) low molecular mass heat shock protein Oshsp18.0 [Oryza		

sativa]

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119588	Strand	+
Start	4466	End	5512
Name	OJ000323_09.0424.C12.o4.gs	Method	GENSCAN
Start	4466	End	5512
GI	none	Score	.64
Exons	4466..4562, 5412..5512		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119589	Strand	+
Start	6095	End	6954
Name	OJ000323_09.0424.C12.o5.gp	Method	AAT/GAP
Start	6095	End	6954
GI	208_4.R1084	Score	1248
Exons	6095..6768, 6808..6878, 6932..6954		
GI Descrip.	'2119194/pir||JC4377 1.0e-51 low-molecular-weight heat-shock protein - rice >gi_1815662 (U83670) low molecular mass heat shock protein Oshsp18.0 [Oryza sativa]'		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119590	Strand	+
Start	12008	End	13171
Name	OJ000323_09.0424.C12.o8.gs	Method	GENSCAN
Start	12008	End	13171
GI	none	Score	.67
Exons	12008..12103, 12427..12480, 12731..12946, 13025..13171		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119591	Strand	-
Start	2245	End	2975
Name	OJ000323_09.0424.C12.o2.gs	Method	GENSCAN
Start	2245	End	2975
GI	none	Score	.73
Exons	2245..2806, 2920..2975		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119591	Strand	-
Start	2245	End	2975
Name	OJ000323_09.0424.C12.o2.np	Method	AAT/NAP
Start	2248	End	2709
GI	1815660	Score	804
Exons	2248..2709		
GI Descrip.	(U83669) low molecular mass heat shock protein Oshsp17.3 [Oryza sativa]		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119592	Strand	-
Start	6363	End	6842
Name	OJ000323_09.0424.C12.o5.gs	Method	GENSCAN
Start	6363	End	6842
GI	none	Score	.87
Exons	6363..6842		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119592	Strand	-

Start	6363	End	6842
Name	OJ000323_09.0424.C12.o4.np	Method	AAT/NAP
Start	6366	End	6842
GI	7441302	Score	824
Exons	6366..6842		
GI Descrip.	heat shock protein, low molecular weight - rice gi|1815664|gb|AAC78394.1| (U83671) low molecular mass heat shock protein Oshsp17.7 [Oryza sativa]		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119593	Strand	-
Start	7948	End	8426
Name	OJ000323_09.0424.C12.o6.gs	Method	GENSCAN
Start	7948	End	8426
GI	none	Score	.97
Exons	7948..8153, 8255..8426		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119594	Strand	-
Start	9763	End	11362
Name	OJ000323_09.0424.C12.o6.gp	Method	AAT/GAP
Start	9600	End	11362
GI	30_1.R1084	Score	2822
Exons	9600..9834, 9949..10455, 10551..10775, 10872..11362		
GI Descrip.	'3913641/sp|O64422|F16P_ORYSA 0.0e+00 FRUCTOSE-1;6-BISPHOSPHATASE, CHLOROPLAST PRECURSOR (D-FRUCTOSE-1,6-BISPHOSPHATE 1-PHOSPHOHYDROLASE) (FBPASE) >gi_3041777_dbj_BAA25423_ (AB007194) fructose-1,6-bisphosphatase [Oryza sativa]'		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119594	Strand	-
Start	9763	End	11362
Name	OJ000323_09.0424.C12.o7.gs	Method	GENSCAN
Start	9763	End	11288
GI	none	Score	.97
Exons	9763..9834, 9949..10455, 10551..10775, 10872..11288		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119594	Strand	-
Start	9763	End	11362
Name	OJ000323_09.0424.C12.o5.np	Method	AAT/NAP
Start	9766	End	11288
GI	3913641	Score	1979
Exons	9766..9834, 9949..10455, 10551..10775, 10872..11288		
GI Descrip.	FRUCTOSE-1,6-BISPHOSPHATASE, CHLOROPLAST PRECURSOR (D-FRUCTOSE-1,6-BISPHOSPHATE 1-PHOSPHOHYDROLASE) (FBPASE) gi|3041777|dbj|BAA25423| (AB007194) fructose-1,6-bisphosphatase [Oryza sativa]		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119595	Strand	-
Start	14215	End	14373
Name	OJ000323_09.0424.C12.o4.tc	Method	TBLASTX:Cress
Start	698	End	846
GI	none	Score	199
Exons	698..844, 699..845, 718..846, 729..845		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119595	Strand	-
Start	14215	End	14373
Name	OJ000323_09.0424.C12.o1.tm	Method	TBLASTX:Maize
Start	699	End	1793
GI	none	Score	418
Exons	699..962, 716..961, 717..962, 718..963, 719..964, 1042..1245, 1085..1240, 1103..1297, 1104..1244, 1355..1567, 1356..1571, 1359..1568, 1477..1572, 1597..1713, 1641..1679, 1666..1731, 1679..1732, 1707..1793		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119595	Strand	-
Start	14215	End	14373
Name	OJ000323_09.0424.C12.o3.ts	Method	TBLASTX:Soybean
Start	699	End	1514
GI	none	Score	391
Exons	699..962, 716..961, 717..962, 719..964, 1096..1221, 1103..1237, 1104..1244, 1104..1241, 1355..1510, 1356..1514, 1356..1511		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119595	Strand	-
Start	14215	End	14373
Name	OJ000323_09.0424.C12.o3.tw	Method	TBLASTX:Wheat
Start	732	End	1202
GI	none	Score	239
Exons	732..962, 737..961, 1103..1174, 1104..1169, 1161..1202		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119595	Strand	-
Start	14215	End	14373
Name	OJ000323_09.0424.C12.o3.tc	Method	TBLASTX:Cress
Start	846	End	1562
GI	none	Score	181
Exons	846..962, 848..961, 852..962, 866..964, 1103..1243, 1104..1244, 1355..1561, 1356..1562		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119595	Strand	-
Start	14215	End	14373
Name	OJ000323_09.0424.C12.o2.ts	Method	TBLASTX:Soybean
Start	2239	End	6830
GI	none	Score	233
Exons	2239..2586, 2249..2611, 2633..2698, 2656..2730, 3288..3332, 3289..3330, 3408..3758, 3409..3762, 6192..6254, 6306..6728, 6367..6711, 6765..6830		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119595	Strand	-
Start	14215	End	14373
Name	OJ000323_09.0424.C12.o3.tm	Method	TBLASTX:Maize
Start	2242	End	6846
GI	none	Score	342
Exons	2242..2604, 2243..2608, 2615..2746, 2656..2712, 3274..3330, 3276..3332, 3405..3776, 3406..3777, 6351..6728, 6352..6711, 6765..6845, 6778..6846		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119595	Strand	-
Start	14215	End	14373
Name	OJ000323_09.0424.C12.o2.tc	Method	TBLASTX:Cress
Start	2243	End	6830
GI	none	Score	189
Exons	2243..2461, 2245..2592, 2525..2593, 2656..2742, 3289..3330, 3414..3482, 3415..3768, 3546..3767, 6361..6711, 6363..6710, 6771..6830		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119595	Strand	-
Start	14215	End	14373
Name	OJ000323_09.0424.C12.o1.tw	Method	TBLASTX:Wheat
Start	2411	End	6969
GI	none	Score	197
Exons	2411..2608, 2413..2604, 2624..2710, 2656..2709, 3276..3332, 3277..3330, 3409..3594, 3411..3596, 6529..6711, 6531..6728, 6765..6860, 6778..6861, 6913..6969		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119595	Strand	-
Start	14215	End	14373
Name	QJ000323_09.0424.C12.o1.tc	Method	TBLASTX:Cress
Start	9760	End	11087
GI	none	Score	89
Exons	9760..9837, 9761..9835, 9925..10455, 9950..10180, 10219..10404, 10244..10447, 10557..10778, 10558..10776, 10845..11087, 10869..11030, 10909..11040		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119595	Strand	-
Start	14215	End	14373
Name	OJ000323_09.0424.C12.o2.tm	Method	TBLASTX:Maize
Start	9760	End	10286
GI	none	Score	105
Exons	9760..9837, 9763..9837, 9925..10281, 9926..10180, 10150..10254, 10157..10285, 10244..10279, 10263..10286		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119595	Strand	-
Start	14215	End	14373
Name	OJ000323_09.0424.C12.o1.ts	Method	TBLASTX:Soybean
Start	9763	End	11087
GI	none	Score	249
Exons	9763..9798, 9793..9837, 9976..10455, 9983..10180, 10219..10404, 10247..10453, 10557..10778, 10558..10776, 10845..11087, 10872..11030, 10909..11040		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119595	Strand	-
Start	14215	End	14373
Name	OJ000323_09.0424.C12.o2.tw	Method	TBLASTX:Wheat
Start	9913	End	10245
GI	none	Score	122
Exons	9913..10245, 9950..10162		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119595	Strand	-
Start	14215	End	14373
Name	OJ000323_09.0424.C12.o4.tm	Method	TBLASTX:Maize
Start	10390	End	11268
GI	none	Score	103
Exons	10390..10455, 10391..10453, 10398..10490, 10548..10778, 10561..10776, 10740..10778, 10757..10786, 10845..11087, 10869..11030, 10870..11100, 10909..11040, 11230..11268		

Seq. No.	57080	Seq. ID	OJ000323_09.0424.C12
Gene No.	119595	Strand	-
Start	14215	End	14373
Name	OJ000323_09.0424.C12.o9.gs	Method	GENSCAN
Start	14215	End	14373
GI	none	Score	.52
Exons	14215..14373		

Seq. No.	57081	Seq. ID	OJ000323_09.0424.C13
Gene No.	119596	Strand	+
Start	1332	End	6933
Name	OJ000323_09.0424.C13.o1.gs	Method	GENSCAN
Start	1332	End	6933
GI	none	Score	.51
Exons	1332..1501, 2274..2379, 3089..3330, 4134..4563, 4655..5032, 5625..5717, 6310..6933		

Seq. No.	57081	Seq. ID	OJ000323_09.0424.C13
Gene No.	119596	Strand	+
Start	1332	End	6933
Name	OJ000323_09.0424.C13.o1.gp	Method	AAT/GAP
Start	4159	End	4763
GI	none	Score	954
Exons	4159..4563, 4655..4763		

Seq. No.	57081	Seq. ID	OJ000323_09.0424.C13
Gene No.	119596	Strand	+
Start	1332	End	6933
Name	OJ000323_09.0424.C13.o1.np	Method	AAT/NAP
Start	4240	End	6914
GI	7263560	Score	874
Exons	4240..4563, 4655..5032, 6310..6914		
GI Descrip.	(AL161667) putative protein [Arabidopsis thaliana]		

Seq. No.	57081	Seq. ID	OJ000323_09.0424.C13
Gene No.	119597	Strand	+
Start	7432	End	7594
Name	OJ000323_09.0424.C13.o2.gp	Method	AAT/GAP
Start	7432	End	7594
GI	uC-osflcyp032f03b1	Score	283
Exons	7432..7594		
GI Descrip.	'3980384 8.0e-10 (AC004561) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	57081	Seq. ID	OJ000323_09.0424.C13
Gene No.	119598	Strand	-

Start	7680	End	11634
Name	OJ000323_09.0424.C13.o4.tm	Method	TBLASTX:Maize
Start	4116	End	4738
GI	none	Score	136
Exons	4116..4148, 4240..4317, 4240..4320, 4329..4385, 4366..4416, 4375..4407, 4416..4505, 4417..4503, 4462..4563, 4467..4571, 4654..4737, 4655..4738		

Seq. No.	57081	Seq. ID	OJ000323_09.0424.C13
Gene No.	119598	Strand	-
Start	7680	End	11634
Name	OJ000323_09.0424.C13.o2.ts	Method	TBLASTX:Soybean
Start	4432	End	6405
GI	none	Score	69
Exons	4432..4503, 4654..4764, 4655..4789, 4703..4771, 4867..5022, 4868..4993, 6307..6405, 6309..6404		

Seq. No.	57081	Seq. ID	OJ000323_09.0424.C13
Gene No.	119598	Strand	-
Start	7680	End	11634
Name	OJ000323_09.0424.C13.o2.tm	Method	TBLASTX:Maize
Start	6382	End	7136
GI	none	Score	276
Exons	6382..6549, 6382..6498, 6544..6582, 6546..6584, 6552..6761, 6553..6810, 6694..6789, 6761..6802, 6873..6932, 6874..6933, 7000..7044, 7010..7051, 7062..7136		

Seq. No.	57081	Seq. ID	OJ000323_09.0424.C13
Gene No.	119598	Strand	-
Start	7680	End	11634
Name	OJ000323_09.0424.C13.o1.ts	Method	TBLASTX:Soybean
Start	6409	End	6783
GI	none	Score	407
Exons	6409..6783, 6453..6497, 6543..6761		

Seq. No.	57081	Seq. ID	OJ000323_09.0424.C13
Gene No.	119598	Strand	-
Start	7680	End	11634
Name	OJ000323_09.0424.C13.o6.tm	Method	TBLASTX:Maize
Start	7481	End	7880
GI	none	Score	71
Exons	7481..7501, 7602..7760, 7607..7753, 7626..7760, 7666..7761, 7676..7780, 7746..7880, 7777..7875		

Seq. No.	57081	Seq. ID	OJ000323_09.0424.C13
Gene No.	119598	Strand	-
Start	7680	End	11634
Name	OJ000323_09.0424.C13.o2.np	Method	AAT/NAP
Start	7680	End	11634
GI	3980384	Score	361
Exons	7680..7992, 8100..8318, 8427..8882, 9012..9161, 11612..11634		
GI Descrip.	(AC004561) unknown protein [Arabidopsis thaliana]		

Seq. No.	57081	Seq. ID	OJ000323_09.0424.C13
Gene No.	119598	Strand	-
Start	7680	End	11634
Name	OJ000323_09.0424.C13.o3.ts	Method	TBLASTX:Soybean

Start	7863	End	8297
GI	none	Score	184
Exons	7863..7958, 8115..8297		

Seq. No.	57081	Seq. ID	OJ000323_09.0424.C13
Gene No.	119598	Strand	-
Start	7680	End	11634
Name	OJ000323_09.0424.C13.o1.tm	Method	TBLASTX:Maize
Start	7912	End	9043
GI	none	Score	81
Exons	7912..7965, 7914..7964, 8047..8115, 8055..8111, 8073..8297, 8082..8294, 8131..8310, 8132..8299, 8302..8340, 8306..8347, 8310..8339, 8311..8340, 8337..8750, 8338..8751, 8339..8764, 8340..8750, 8718..8873, 8722..8865, 8814..9035, 8863..9036, 8866..9036, 8867..9043		

Seq. No.	57081	Seq. ID	OJ000323_09.0424.C13
Gene No.	119598	Strand	-
Start	7680	End	11634
Name	OJ000323_09.0424.C13.o3.gp	Method	AAT/GAP
Start	8472	End	8924
GI	2428164	Score	891
Exons	8472..8924		
GI Descrip.	3980384 8.0e-10 (AC004561) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	57081	Seq. ID	OJ000323_09.0424.C13
Gene No.	119598	Strand	-
Start	7680	End	11634
Name	OJ000323_09.0424.C13.o5.tm	Method	TBLASTX:Maize
Start	9443	End	9724
GI	none	Score	217
Exons	9443..9718, 9453..9719, 9454..9720, 9560..9724		

Seq. No.	57081	Seq. ID	OJ000323_09.0424.C13
Gene No.	119598	Strand	-
Start	7680	End	11634
Name	OJ000323_09.0424.C13.o3.tm	Method	TBLASTX:Maize
Start	10026	End	10303
GI	none	Score	361
Exons	10026..10301, 10027..10302, 10028..10303, 10028..10303		

Seq. No.	57082	Seq. ID	OJ000323_09.0424.C17
Gene No.	119599	Strand	+
Start	311	End	1037
Name	OJ000323_09.0424.C17.o1.gp	Method	AAT/GAP
Start	311	End	884
GI	29605_1.R1084	Score	439
Exons	311..490, 817..884		
GI Descrip.	'4309759/gb|AAD15528| 3.0e-50 (AC006217) unknown protein with Src homology 3 (SH3) domain profile (PDOC50002) [Arabidopsis thaliana]'		

Seq. No.	57082	Seq. ID	OJ000323_09.0424.C17
Gene No.	119599	Strand	+
Start	311	End	1037
Name	OJ000323_09.0424.C17.o1.gs	Method	GENSCAN

Start	311	End	1037
GI	none	Score	.87
Exons	311..490, 817..876, 966..1037		

Seq. No.	57082	Seq. ID	OJ000323_09.0424.C17
Gene No.	119599	Strand	+
Start	311	End	1037
Name	OJ000323_09.0424.C17.o1.np	Method	AAT/NAP
Start	313	End	1037
GI	4309759	Score	277
Exons	313..490, 817..876, 966..1037		
GI Descrip.	(AC006217) unknown protein [Arabidopsis thaliana]		

Seq. No.	57082	Seq. ID	OJ000323_09.0424.C17
Gene No.	119600	Strand	+
Start	994	End	1653
Name	OJ000323_09.0424.C17.o2.gp	Method	AAT/GAP
Start	994	End	1653
GI	34852_1.R1084	Score	1252
Exons	994..1653		
GI Descrip.	'1781299/emb|CAA70700| 5.0e-15 (Y09506) transformer-SR ribonucleoprotein [Nicotiana tabacum]'		

Seq. No.	57082	Seq. ID	OJ000323_09.0424.C17
Gene No.	119601	Strand	+
Start	4536	End	5388
Name	OJ000323_09.0424.C17.o3.gp	Method	AAT/GAP
Start	4536	End	5388
GI	none	Score	1662
Exons	4536..5388		

Seq. No.	57082	Seq. ID	OJ000323_09.0424.C17
Gene No.	119602	Strand	+
Start	6144	End	8992
Name	OJ000323_09.0424.C17.o3.gs	Method	GENSCAN
Start	6144	End	8992
GI	none	Score	.67
Exons	6144..6197, 6220..6469, 6719..6901, 6918..6968, 8319..8424, 8500..8534, 8778..8992		

Seq. No.	57082	Seq. ID	OJ000323_09.0424.C17
Gene No.	119603	Strand	-
Start	2238	End	5926
Name	OJ000323_09.0424.C17.o2.gs	Method	GENSCAN
Start	2238	End	5888
GI	none	Score	.53
Exons	2238..2342, 3212..3273, 3931..4063, 4182..4736, 5235..5375, 5483..5623, 5676..5888		

Seq. No.	57082	Seq. ID	OJ000323_09.0424.C17
Gene No.	119603	Strand	-
Start	2238	End	5926
Name	OJ000323_09.0424.C17.o2.np	Method	AAT/NAP
Start	5067	End	5894
GI	2464852	Score	172
Exons	5067..5108, 5229..5375, 5483..5578, 5676..5894		
GI Descrip.	(Z99707) putative protein [Arabidopsis thaliana]		

Seq. No.	57082	Seq. ID	OJ000323_09.0424.C17
Gene No.	119603	Strand	-
Start	2238	End	5926
Name	OJ000323_09.0424.C17.o4.gp	Method	AAT/GAP
Start	5611	End	5926
GI	LIB3434-026-P1-K1-C8	Score	551
Exons	5611..5926		
GI Descrip.	'1781299/emb|CAA70700| 5.0e-15 (Y09506) transformer-SR ribonucleoprotein [Nicotiana tabacum]'		

Seq. No.	57082	Seq. ID	OJ000323_09.0424.C17
Gene No.	119604	Strand	-
Start	9598	End	10990
Name	OJ000323_09.0424.C17.o4.gs	Method	GENSCAN
Start	9598	End	10990
GI	none	Score	.68
Exons	9598..9920, 10870..10990		

Seq. No.	57082	Seq. ID	OJ000323_09.0424.C17
Gene No.	119605	Strand	-
Start	11889	End	12742
Name	OJ000323_09.0424.C17.o2.ts	Method	TBLASTX:Soybean
Start	307	End	879
GI	none	Score	72
Exons	307..408, 310..489, 311..493, 814..879		

Seq. No.	57082	Seq. ID	OJ000323_09.0424.C17
Gene No.	119605	Strand	-
Start	11889	End	12742
Name	OJ000323_09.0424.C17.o1.ts	Method	TBLASTX:Soybean
Start	4263	End	4580
GI	none	Score	117
Exons	4263..4346, 4268..4345, 4404..4580, 4412..4522		

Seq. No.	57082	Seq. ID	OJ000323_09.0424.C17
Gene No.	119605	Strand	-
Start	11889	End	12742
Name	OJ000323_09.0424.C17.o2.tm	Method	TBLASTX:Maize
Start	4265	End	4580
GI	none	Score	127
Exons	4265..4423, 4266..4424, 4409..4522, 4410..4580		

Seq. No.	57082	Seq. ID	OJ000323_09.0424.C17
Gene No.	119605	Strand	-
Start	11889	End	12742
Name	OJ000323_09.0424.C17.o1.tm	Method	TBLASTX:Maize
Start	4930	End	5880
GI	none	Score	46
Exons	4930..4968, 4941..4970, 4981..5043, 4993..5031, 5053..5109, 5061..5108, 5066..5110, 5234..5320, 5238..5333, 5242..5319, 5346..5375, 5347..5376, 5483..5578, 5484..5573, 5485..5577, 5676..5735, 5727..5867, 5752..5880		

Seq. No.	57082	Seq. ID	OJ000323_09.0424.C17
Gene No.	119605	Strand	-
Start	11889	End	12742

Name	OJ000323_09.0424.C17.o4.tm	Method	TBLASTX:Maize
Start	6401	End	6989
GI	none	Score	41
Exons	6401..6448, 6524..6580, 6623..6664, 6623..6673, 6724..6846, 6750..6839, 6912..6986, 6917..6985, 6921..6989		

Seq. No.	57082	Seq. ID	OJ000323_09.0424.C17
Gene No.	119605	Strand	-
Start	11889	End	12742
Name	OJ000323_09.0424.C17.o3.tm	Method	TBLASTX:Maize
Start	9859	End	10863
GI	none	Score	86
Exons	9859..9912, 9862..9912, 10702..10746, 10702..10863, 10702..10851, 10703..10852, 10704..10856, 10704..10775		

Seq. No.	57082	Seq. ID	OJ000323_09.0424.C17
Gene No.	119605	Strand	-
Start	11889	End	12742
Name	OJ000323_09.0424.C17.o1.tw	Method	TBLASTX:Wheat
Start	10720	End	10861
GI	none	Score	196
Exons	10720..10848, 10722..10847, 10742..10861, 10752..10853		

Seq. No.	57082	Seq. ID	OJ000323_09.0424.C17
Gene No.	119605	Strand	-
Start	11889	End	12742
Name	OJ000323_09.0424.C17.o5.gs	Method	GENSCAN
Start	11889	End	12742
GI	none	Score	.88
Exons	11889..12148, 12632..12742		

Seq. No.	57083	Seq. ID	OJ000323_09.0424.C18
Gene No.	119606	Strand	+
Start	441	End	2205
Name	OJ000323_09.0424.C18.o1.np	Method	AAT/NAP
Start	441	End	1961
GI	7263565	Score	656
Exons	441..575, 996..1095, 1214..1248, 1364..1453, 1727..1961		
GI Descrip.	(AL161667) transcription factor L2 [Arabidopsis thaliana]		

Seq. No.	57083	Seq. ID	OJ000323_09.0424.C18
Gene No.	119606	Strand	+
Start	441	End	2205
Name	OJ000323_09.0424.C18.o1.gs	Method	GENSCAN
Start	444	End	1957
GI	none	Score	.76
Exons	444..575, 996..1095, 1211..1248, 1364..1453, 1727..1957		

Seq. No.	57083	Seq. ID	OJ000323_09.0424.C18
Gene No.	119606	Strand	+
Start	441	End	2205
Name	OJ000323_09.0424.C18.o1.gp	Method	AAT/GAP
Start	1193	End	2205
GI	36105_1.R1084	Score	1111
Exons	1193..1248, 1364..1453, 1727..2205		
GI Descrip.	'3980380 3.0e-19 (AC004561) putative enolase [Arabidopsis thaliana]'		

Seq. No.	57083	Seq. ID	OJ000323_09.0424.C18
Gene No.	119607	Strand	+
Start	3506	End	3656
Name	OJ000323_09.0424.C18.o2.gp	Method	AAT/GAP
Start	3506	End	3656
GI	2796662	Score	202
Exons	3506..3656		
GI Descrip.	3980380 3.0e-19 (AC004561) putative enolase [Arabidopsis thaliana]		

Seq. No.	57083	Seq. ID	OJ000323_09.0424.C18
Gene No.	119608	Strand	-
Start	2937	End	3648
Name	OJ000323_09.0424.C18.o1.tc	Method	TBLASTX:Cress
Start	438	End	1950
GI	none	Score	140
Exons	438..557, 443..556, 447..578, 449..562, 967..1092, 990..1094, 995..1093, 1002..1094, 1016..1078, 1363..1458, 1364..1456, 1394..1450, 1724..1909, 1724..1909, 1726..1950, 1727..1879, 1752..1865		

Seq. No.	57083	Seq. ID	OJ000323_09.0424.C18
Gene No.	119608	Strand	-
Start	2937	End	3648
Name	OJ000323_09.0424.C18.o1.tm	Method	TBLASTX:Maize
Start	438	End	2151
GI	none	Score	135
Exons	438..557, 440..550, 1002..1079, 1362..1457, 1363..1458, 1364..1456, 1716..1895, 1724..1975, 1726..1980, 1726..1965, 2044..2085, 2056..2151		

Seq. No.	57083	Seq. ID	OJ000323_09.0424.C18
Gene No.	119608	Strand	-
Start	2937	End	3648
Name	OJ000323_09.0424.C18.o1.ts	Method	TBLASTX:Soybean
Start	438	End	1909
GI	none	Score	186
Exons	438..578, 438..557, 440..556, 449..568, 986..1069, 990..1070, 1002..1079, 1016..1078, 1073..1096, 1335..1457, 1363..1458, 1364..1456, 1385..1456, 1722..1898, 1724..1870, 1724..1909, 1726..1908		

Seq. No.	57083	Seq. ID	OJ000323_09.0424.C18
Gene No.	119608	Strand	-
Start	2937	End	3648
Name	OJ000323_09.0424.C18.o1.tw	Method	TBLASTX:Wheat
Start	438	End	1990
GI	none	Score	243
Exons	438..575, 438..533, 440..574, 443..532, 990..1097, 1001..1093, 1198..1248, 1212..1253, 1363..1458, 1363..1455, 1364..1456, 1367..1456, 1724..1900, 1735..1878, 1830..1886, 1934..1990		

Seq. No.	57083	Seq. ID	OJ000323_09.0424.C18
Gene No.	119608	Strand	-
Start	2937	End	3648
Name	OJ000323_09.0424.C18.o2.gs	Method	GENSCAN

Start	2937	End	3550
GI	none	Score	.6
Exons	2937..2974, 3159..3246, 3425..3550		

Seq. No.	57083	Seq. ID	OJ000323_09.0424.C18
Gene No.	119608	Strand	-
Start	2937	End	3648
Name	OJ000323_09.0424.C18.o2.np	Method	AAT/NAP
Start	3176	End	3648
GI	399427	Score	265
Exons	3176..3246, 3425..3648		
GI Descrip.	ENOLASE (2-PHOSPHOGLYCERATE DEHYDRATASE) (2-PHOSPHO-D-GLYCERATE HYDRO-LYASE) gi|99392|pir||S24996 phosphopyruvate hydratase (EC 4.2.1.11) - Chlamydomonas reinhardtii gi|18143|emb|CAA47043.1| (X66412) enolase [Chlamydomonas reinhardtii]		

Seq. No.	57083	Seq. ID	OJ000323_09.0424.C18
Gene No.	119608	Strand	-
Start	2937	End	3648
Name	OJ000323_09.0424.C18.o2.tm	Method	TBLASTX:Maize
Start	3417	End	3628
GI	none	Score	167
Exons	3417..3611, 3422..3628		

Seq. No.	57083	Seq. ID	OJ000323_09.0424.C18
Gene No.	119608	Strand	-
Start	2937	End	3648
Name	OJ000323_09.0424.C18.o2.tc	Method	TBLASTX:Cress
Start	3422	End	3628
GI	none	Score	188
Exons	3422..3628, 3429..3611		

Seq. No.	57083	Seq. ID	OJ000323_09.0424.C18
Gene No.	119608	Strand	-
Start	2937	End	3648
Name	OJ000323_09.0424.C18.o2.ts	Method	TBLASTX:Soybean
Start	3422	End	3628
GI	none	Score	147
Exons	3422..3628, 3429..3611		

Seq. No.	57083	Seq. ID	OJ000323_09.0424.C18
Gene No.	119608	Strand	-
Start	2937	End	3648
Name	OJ000323_09.0424.C18.o2.tw	Method	TBLASTX:Wheat
Start	3422	End	3565
GI	none	Score	130
Exons	3422..3565, 3429..3560		

Seq. No.	57084	Seq. ID	OJ000323_09.0424.C19
Gene No.	119609	Strand	+
Start	2484	End	3606
Name	OJ000323_09.0424.C19.o2.gs	Method	GENSCAN
Start	2484	End	3347
GI	none	Score	.87
Exons	2484..3347		

Seq. No.	57084	Seq. ID	OJ000323_09.0424.C19

Gene No.	119609	Strand	+
Start	2484	End	3606
Name	OJ000323_09.0424.C19.o2.gp	Method	AAT/GAP
Start	2747	End	3606
GI	208_3.R1084	Score	1620
Exons	2747..3606		
GI Descrip.	'2119194/pir||JC4377 2.0e-68 low-molecular-weight heat-shock protein - rice >gi_1815662 (U83670) low molecular mass heat shock protein Oshsp18.0 [Oryza sativa]'		

Seq. No.	57084	Seq. ID	OJ000323_09.0424.C19
Gene No.	119609	Strand	+
Start	2484	End	3606
Name	OJ000323_09.0424.C19.o2.np	Method	AAT/NAP
Start	2862	End	3344
GI	2119194	Score	766
Exons	2862..3344		
GI Descrip.	low-molecular-weight heat-shock protein - rice gi|1815662 (U83670) low molecular mass heat shock protein Oshsp18.0 [Oryza sativa]		

Seq. No.	57084	Seq. ID	OJ000323_09.0424.C19
Gene No.	119610	Strand	+
Start	4406	End	6290
Name	OJ000323_09.0424.C19.o3.gs	Method	GENSCAN
Start	4406	End	6290
GI	none	Score	.81
Exons	4406..4517, 4600..4758, 4924..5661, 5740..6290		

Seq. No.	57084	Seq. ID	OJ000323_09.0424.C19
Gene No.	119610	Strand	+
Start	4406	End	6290
Name	OJ000323_09.0424.C19.o3.np	Method	AAT/NAP
Start	4929	End	6290
GI	7488706	Score	978
Exons	4929..5661, 5740..6290		
GI Descrip.	probable transposase - soybean transposon mariner element Soymar1 gi|3386534|gb|AAC28384.1| (AF078934) mariner transposase [Glycine max]		

Seq. No.	57084	Seq. ID	OJ000323_09.0424.C19
Gene No.	119611	Strand	-
Start	1	End	2025
Name	OJ000323_09.0424.C19.o1.gp	Method	AAT/GAP
Start	1	End	695
GI	5004179	Score	483
Exons	1..119, 225..301, 613..695		

Seq. No.	57084	Seq. ID	OJ000323_09.0424.C19
Gene No.	119611	Strand	-
Start	1	End	2025
Name	OJ000323_09.0424.C19.o1.np	Method	AAT/NAP
Start	1	End	2025
GI	3980380	Score	829
Exons	1..119, 225..301, 613..693, 942..1058, 1155..1226, 1591..2025		
GI Descrip.	(AC004561) putative enolase (2-phospho-D-glycerate hydroylase) [Arabidopsis thaliana]		

Seq. No.	57084	Seq. ID	OJ000323_09.0424.C19
Gene No.	119611	Strand	-
Start	1	End	2025
Name	OJ000323_09.0424.C19.o1.gs	Method	GENSCAN
Start	16	End	2025
GI	none	Score	.87
Exons	16..119, 259..356, 613..693, 942..1058, 1155..1226, 1591..2025		

Seq. No.	57084	Seq. ID	OJ000323_09.0424.C19
Gene No.	119612	Strand	-
Start	6490	End	6957
Name	OJ000323_09.0424.C19.o3.ts	Method	TBLASTX:Soybean
Start	245	End	1689
GI	none	Score	69
Exons	245..298, 246..308, 583..693, 608..694, 940..1059, 942..1061, 1119..1223, 1147..1227, 1153..1230, 1630..1689, 1633..1689		

Seq. No.	57084	Seq. ID	OJ000323_09.0424.C19
Gene No.	119612	Strand	-
Start	6490	End	6957
Name	OJ000323_09.0424.C19.o2.tm	Method	TBLASTX:Maize
Start	1645	End	2029
GI	none	Score	106
Exons	1645..1722, 1645..1689, 1798..2025, 1822..2025, 1832..2029		

Seq. No.	57084	Seq. ID	OJ000323_09.0424.C19
Gene No.	119612	Strand	-
Start	6490	End	6957
Name	OJ000323_09.0424.C19.o2.tc	Method	TBLASTX:Cress
Start	1798	End	2026
GI	none	Score	171
Exons	1798..2025, 1817..2026		

Seq. No.	57084	Seq. ID	OJ000323_09.0424.C19
Gene No.	119612	Strand	-
Start	6490	End	6957
Name	OJ000323_09.0424.C19.o2.ts	Method	TBLASTX:Soybean
Start	1798	End	2029
GI	none	Score	158
Exons	1798..2025, 1817..2029		

Seq. No.	57084	Seq. ID	OJ000323_09.0424.C19
Gene No.	119612	Strand	-
Start	6490	End	6957
Name	OJ000323_09.0424.C19.o1.tm	Method	TBLASTX:Maize
Start	2814	End	3353
GI	none	Score	110
Exons	2814..2918, 2858..2917, 2994..3353, 2996..3181, 3245..3352		

Seq. No.	57084	Seq. ID	OJ000323_09.0424.C19
Gene No.	119612	Strand	-
Start	6490	End	6957
Name	OJ000323_09.0424.C19.o1.tw	Method	TBLASTX:Wheat
Start	2837	End	3181
GI	none	Score	84
Exons	2837..2917, 2838..2918, 2994..3179, 2996..3181		

Seq. No.	57084	Seq. ID	OJ000323_09.0424.C19
Gene No.	119612	Strand	-
Start	6490	End	6957
Name	OJ000323_09.0424.C19.o1.tc	Method	TBLASTX:Cress
Start	2874	End	3347
GI	none	Score	68
Exons	2874..2918, 2999..3181, 3000..3347, 3245..3346		

Seq. No.	57084	Seq. ID	OJ000323_09.0424.C19
Gene No.	119612	Strand	-
Start	6490	End	6957
Name	OJ000323_09.0424.C19.o1.ts	Method	TBLASTX:Soybean
Start	2874	End	3362
GI	none	Score	82
Exons	2874..2918, 2993..3181, 2994..3362, 3245..3346		

Seq. No.	57084	Seq. ID	OJ000323_09.0424.C19
Gene No.	119612	Strand	-
Start	6490	End	6957
Name	OJ000323_09.0424.C19.o2.tw	Method	TBLASTX:Wheat
Start	5793	End	6077
GI	none	Score	283
Exons	5793..6077, 5799..5891, 5870..6010		

Seq. No.	57084	Seq. ID	OJ000323_09.0424.C19
Gene No.	119612	Strand	-
Start	6490	End	6957
Name	OJ000323_09.0424.C19.o4.gs	Method	GENSCAN
Start	6490	End	6957
GI	none	Score	.97
Exons	6490..6957		

Seq. No.	57085	Seq. ID	OJ000323_09.0424.C20
Gene No.	119613	Strand	+
Start	486	End	650
Name	OJ000323_09.0424.C20.o1.gs	Method	GENSCAN
Start	486	End	650
GI	none	Score	.4
Exons	486..650		

Seq. No.	57085	Seq. ID	OJ000323_09.0424.C20
Gene No.	119614	Strand	-
Start	963	End	1520
Name	OJ000323_09.0424.C20.o2.gs	Method	GENSCAN
Start	963	End	1520
GI	none	Score	.53
Exons	963..1118, 1473..1520		

Seq. No.	57086	Seq. ID	OJ000323_09.0424.C22
Gene No.	119615	Strand	+
Start	1813	End	2163
Name	OJ000323_09.0424.C22.o1.gs	Method	GENSCAN
Start	1813	End	2163
GI	none	Score	.49
Exons	1813..2163		

Seq. No.	57086	Seq. ID	OJ000323_09.0424.C22
Gene No.	119616	Strand	-
Start	2887	End	3236
Name	OJ000323_09.0424.C22.o2.gs	Method	GENSCAN
Start	2887	End	3236
GI	none	Score	.7
Exons	2887..3047, 3071..3236		

Seq. No.	57087	Seq. ID	OJ000323_09.0424.C23
Gene No.	119617	Strand	-
Start	17	End	398
Name	OJ000323_09.0424.C23.o1.gs	Method	GENSCAN
Start	17	End	398
GI	none	Score	.7
Exons	17..180, 198..398		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119618	Strand	+
Start	1600	End	1951
Name	OJ000250_79.0421.C1.o1.gs	Method	GENSCAN
Start	1600	End	1951
GI	none	Score	.92
Exons	1600..1641, 1826..1951		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119619	Strand	+
Start	2739	End	6959
Name	OJ000250_79.0421.C1.o2.gs	Method	GENSCAN
Start	2739	End	6959
GI	none	Score	.74
Exons	2739..2746, 3872..3991, 5003..5188, 5557..5690, 5939..6018, 6819..6959		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119620	Strand	+
Start	8048	End	8461
Name	OJ000250_79.0421.C1.o1.gp	Method	AAT/GAP
Start	8048	End	8461
GI	LIB3432-059-P1-K1-D8	Score	717
Exons	8048..8461		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119621	Strand	+
Start	8465	End	8543
Name	OJ000250_79.0421.C1.o2.gp	Method	AAT/GAP
Start	8465	End	8543
GI	LIB3477-003-P1-K1-E9	Score	112
Exons	8465..8543		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119622	Strand	+
Start	16192	End	17617

Name	OJ000250_79.0421.C1.o5.gs	Method	GENSCAN
Start	16192	End	17617
GI	none	Score	.78
Exons	16192..16264, 16351..16499, 17453..17617		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119623	Strand	+
Start	23625	End	24425
Name	OJ000250_79.0421.C1.o7.gs	Method	GENSCAN
Start	23625	End	24425
GI	none	Score	.57
Exons	23625..24425		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119624	Strand	+
Start	24367	End	29270
Name	OJ000250_79.0421.C1.o1.np	Method	AAT/NAP
Start	24367	End	29270
GI	4680179	Score	4989
Exons	24367..24412, 24692..28697, 29247..29270		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119624	Strand	+
Start	24367	End	29270
Name	OJ000250_79.0421.C1.o8.gs	Method	GENSCAN
Start	24692	End	28744
GI	none	Score	.83
Exons	24692..25621, 25703..28744		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119625	Strand	-
Start	7506	End	9049
Name	OJ000250_79.0421.C1.o3.gs	Method	GENSCAN
Start	7506	End	9049
GI	none	Score	.86
Exons	7506..7557, 7610..7766, 8639..8807, 8945..9049		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119626	Strand	-
Start	10265	End	15105
Name	OJ000250_79.0421.C1.o4.gs	Method	GENSCAN
Start	10265	End	15105
GI	none	Score	.77
Exons	10265..10388, 10969..11111, 11200..11358, 11678..11962, 15064..15105		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119627	Strand	-
Start	18121	End	28693
Name	OJ000250_79.0421.C1.o2.tw	Method	TBLASTX:Wheat
Start	4197	End	28099
GI	none	Score	626
Exons	4197..4256, 27560..28099, 27742..28095		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119627	Strand	-

Start	18121	End	28693
Name	OJ000250_79.0421.C1.o6.gs	Method	GENSCAN
Start	18121	End	22264
GI	none	Score	.52
Exons	18121..18562, 19756..19839, 20553..20788, 20888..21258, 22183..22264		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119627	Strand	-
Start	18121	End	28693
Name	OJ000250_79.0421.C1.o8.tw	Method	TBLASTX:Wheat
Start	24853	End	25051
GI	none	Score	213
Exons	24853..25050, 24854..25051		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119627	Strand	-
Start	18121	End	28693
Name	OJ000250_79.0421.C1.o6.tw	Method	TBLASTX:Wheat
Start	25100	End	25453
GI	none	Score	323
Exons	25100..25297, 25103..25453		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119627	Strand	-
Start	18121	End	28693
Name	OJ000250_79.0421.C1.o6.tm	Method	TBLASTX:Maize
Start	25103	End	25408
GI	none	Score	242
Exons	25103..25408, 25103..25312		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119627	Strand	-
Start	18121	End	28693
Name	OJ000250_79.0421.C1.o7.tw	Method	TBLASTX:Wheat
Start	25787	End	26140
GI	none	Score	259
Exons	25787..26140		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119627	Strand	-
Start	18121	End	28693
Name	OJ000250_79.0421.C1.o4.tw	Method	TBLASTX:Wheat
Start	26272	End	26755
GI	none	Score	529
Exons	26272..26712, 26273..26755, 26276..26752		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119627	Strand	-
Start	18121	End	28693
Name	OJ000250_79.0421.C1.o4.ts	Method	TBLASTX:Soybean
Start	26309	End	26623
GI	none	Score	198
Exons	26309..26623		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119627	Strand	-

Start	18121	End	28693
Name	OJ000250_79.0421.C1.o4.tm	Method	TBLASTX:Maize
Start	26338	End	26785
GI	none	Score	371
Exons	26338..26580, 26342..26785		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119627	Strand	-
Start	18121	End	28693
Name	OJ000250_79.0421.C1.o1.ts	Method	TBLASTX:Soybean
Start	26696	End	27091
GI	none	Score	57
Exons	26696..26728, 26696..26728, 26732..26785, 26735..26875, 26846..27091, 26848..27087		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119627	Strand	-
Start	18121	End	28693
Name	OJ000250_79.0421.C1.o5.tw	Method	TBLASTX:Wheat
Start	26845	End	27106
GI	none	Score	366
Exons	26845..27105, 26846..27106		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119627	Strand	-
Start	18121	End	28693
Name	OJ000250_79.0421.C1.o5.tm	Method	TBLASTX:Maize
Start	26858	End	27172
GI	none	Score	306
Exons	26858..27172, 26893..27171		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119627	Strand	-
Start	18121	End	28693
Name	OJ000250_79.0421.C1.o3.tw	Method	TBLASTX:Wheat
Start	27107	End	27532
GI	none	Score	584
Exons	27107..27532, 27109..27525, 27182..27532		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119627	Strand	-
Start	18121	End	28693
Name	OJ000250_79.0421.C1.o3.ts	Method	TBLASTX:Soybean
Start	27113	End	27361
GI	none	Score	205
Exons	27113..27361		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119627	Strand	-
Start	18121	End	28693
Name	OJ000250_79.0421.C1.o2.tm	Method	TBLASTX:Maize
Start	27179	End	27532
GI	none	Score	452
Exons	27179..27532, 27184..27525		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119627	Strand	-

Start	18121	End	28693
Name	OJ000250_79.0421.C1.o1.tc	Method	TBLASTX:Cress
Start	27797	End	28123
GI	none	Score	90
Exons	27797..27979, 27980..28123, 27982..28122		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119627	Strand	-
Start	18121	End	28693
Name	OJ000250_79.0421.C1.o2.ts	Method	TBLASTX:Soybean
Start	27887	End	28147
GI	none	Score	301
Exons	27887..28147, 27898..28146		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119627	Strand	-
Start	18121	End	28693
Name	OJ000250_79.0421.C1.o3.tm	Method	TBLASTX:Maize
Start	27945	End	28237
GI	none	Score	90
Exons	27945..28046, 27945..28148, 27946..28233, 27947..28237		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119627	Strand	-
Start	18121	End	28693
Name	OJ000250_79.0421.C1.o1.tw	Method	TBLASTX:Wheat
Start	28106	End	28693
GI	none	Score	685
Exons	28106..28693, 28165..28611		

Seq. No.	57088	Seq. ID	OJ000250_79.0421.C1
Gene No.	119627	Strand	-
Start	18121	End	28693
Name	OJ000250_79.0421.C1.o1.tm	Method	TBLASTX:Maize
Start	28285	End	28693
GI	none	Score	229
Exons	28285..28440, 28286..28447, 28444..28605, 28445..28693, 28607..28690		

Seq. No.	57089	Seq. ID	OJ000250_79.0421.C2
Gene No.	119628	Strand	+
Start	264	End	540
Name	OJ000250_79.0421.C2.o2.gp	Method	AAT/GAP
Start	264	End	540
GI	61605_1.R1084	Score	468
Exons	264..540		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	57089	Seq. ID	OJ000250_79.0421.C2
Gene No.	119629	Strand	+
Start	1084	End	6283
Name	OJ000250_79.0421.C2.o1.gs	Method	GENSCAN
Start	1084	End	2300
GI	none	Score	.43
Exons	1084..2016, 2160..2300		

Seq. No.	57089	Seq. ID	OJ000250_79.0421.C2
Gene No.	119629	Strand	+
Start	1084	End	6283
Name	OJ000250_79.0421.C2.o1.np	Method	AAT/NAP
Start	1084	End	6280
GI	6983860	Score	1502
Exons	1084..2151, 2981..3203, 3504..3823, 4830..5709, 5858..6280		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	57089	Seq. ID	OJ000250_79.0421.C2
Gene No.	119629	Strand	+
Start	1084	End	6283
Name	OJ000250_79.0421.C2.o3.gs	Method	GENSCAN
Start	5039	End	6283
GI	none	Score	.8
Exons	5039..5051, 5690..5722, 5988..6283		

Seq. No.	57089	Seq. ID	OJ000250_79.0421.C2
Gene No.	119630	Strand	-
Start	1130	End	1665
Name	OJ000250_79.0421.C2.o3.gp	Method	AAT/GAP
Start	1130	End	1665
GI	uC-osflcyp162a07a1	Score	735
Exons	1130..1409, 1509..1665		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	57089	Seq. ID	OJ000250_79.0421.C2
Gene No.	119631	Strand	-
Start	3077	End	3828
Name	OJ000250_79.0421.C2.o2.tw	Method	TBLASTX:Wheat
Start	1246	End	1602
GI	none	Score	296
Exons	1246..1602, 1254..1424, 1461..1601		

Seq. No.	57089	Seq. ID	OJ000250_79.0421.C2
Gene No.	119631	Strand	-
Start	3077	End	3828
Name	OJ000250_79.0421.C2.o2.tm	Method	TBLASTX:Maize
Start	1483	End	1797
GI	none	Score	213
Exons	1483..1746, 1509..1670, 1711..1797		

Seq. No.	57089	Seq. ID	OJ000250_79.0421.C2
Gene No.	119631	Strand	-
Start	3077	End	3828
Name	OJ000250_79.0421.C2.o2.gs	Method	GENSCAN
Start	3077	End	3828
GI	none	Score	.94
Exons	3077..3130, 3244..3828		

Seq. No.	57089	Seq. ID	OJ000250_79.0421.C2
Gene No.	119632	Strand	
Start	5851	End	6235
Name	OJ000250_79.0421.C2.o1.tw	Method	TBLASTX:Wheat
Start	5851	End	6235

GI	none	Score	373
Exons	5851..6183, 5852..6235, 6053..6184		

Seq. No.	57089	Seq. ID	OJ000250_79.0421.C2
Gene No.	119632	Strand	
Start	5851	End	6235
Name	OJ000250_79.0421.C2.o1.tm	Method	TBLASTX:Maize
Start	5879	End	6139
GI	none	Score	277
Exons	5879..6139, 5890..6138		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119633	Strand	+
Start	1584	End	6101
Name	OJ000250_79.0421.C3.o1.np	Method	AAT/NAP
Start	1584	End	6101
GI	4680179	Score	5399
Exons	1584..2666, 2700..6101		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119634	Strand	+
Start	8178	End	9874
Name	OJ000250_79.0421.C3.o2.gp	Method	AAT/GAP
Start	8178	End	8560
GI	uC-osflcyp033a04b1	Score	704
Exons	8178..8560		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119634	Strand	+
Start	8178	End	9874
Name	OJ000250_79.0421.C3.o3.np	Method	AAT/NAP
Start	8328	End	9874
GI	6063554	Score	120
Exons	8328..8370, 9702..9874		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119635	Strand	+
Start	11026	End	16591
Name	OJ000250_79.0421.C3.o4.np	Method	AAT/NAP
Start	11026	End	16591
GI	4680179	Score	3880
Exons	11026..11089, 13225..16591		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119635	Strand	+
Start	11026	End	16591
Name	OJ000250_79.0421.C3.o3.gs	Method	GENSCAN
Start	12791	End	16567
GI	none	Score	.57
Exons	12791..12794, 13710..15683, 15804..16567		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119636	Strand	-
Start	6562	End	12036
Name	OJ000250_79.0421.C3.o2.gs	Method	GENSCAN
Start	6562	End	11876
GI	none	Score	.47
Exons	6562..7428, 7856..7903, 10814..11006, 11035..11255, 11700..11876		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119636	Strand	-
Start	6562	End	12036
Name	OJ000250_79.0421.C3.o2.np	Method	AAT/NAP
Start	6835	End	12036
GI	5852180	Score	620
Exons	6835..7261, 7312..7423, 8403..8467, 11985..12036		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119636	Strand	-
Start	6562	End	12036
Name	OJ000250_79.0421.C3.o3.gp	Method	AAT/GAP
Start	11252	End	11985
GI	101153_1.R1084	Score	344
Exons	11252..11290, 11737..11985		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o9.tw	Method	TBLASTX:Wheat
Start	1824	End	2023
GI	none	Score	211
Exons	1824..2021, 1826..2023		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o7.tw	Method	TBLASTX:Wheat
Start	2057	End	2408
GI	none	Score	293
Exons	2057..2251, 2058..2408		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o6.tm	Method	TBLASTX:Maize
Start	2058	End	2363
GI	none	Score	232
Exons	2058..2363, 2072..2236		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o7.tm	Method	TBLASTX:Maize
Start	2720	End	13522

GI	none	Score	186
Exons	2720..2860, 2721..3044, 13235..13522, 13246..13347		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o8.tw	Method	TBLASTX:Wheat
Start	2726	End	13582
GI	none	Score	161
Exons	2726..2935, 2727..2936, 2981..3094, 2982..3095, 3123..3164, 13235..13426, 13255..13326, 13280..13363, 13424..13576, 13460..13582, 13471..13581		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o8.tm	Method	TBLASTX:Maize
Start	3165	End	13818
GI	none	Score	170
Exons	3165..3314, 3182..3313, 13657..13818, 13658..13816		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o4.tw	Method	TBLASTX:Wheat
Start	3264	End	14236
GI	none	Score	52
Exons	3264..3314, 3368..3703, 3369..3746, 13754..14236, 13765..14061, 13868..14203, 14089..14232		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o3.tm	Method	TBLASTX:Maize
Start	3369	End	14290
GI	none	Score	358
Exons	3369..3800, 3408..3587, 3599..3793, 13820..14290, 13894..14067		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o1.ts	Method	TBLASTX:Soybean
Start	3687	End	14572
GI	none	Score	57
Exons	3687..3719, 3689..3718, 3723..4082, 3725..3763, 3791..4081, 14177..14218, 14207..14542, 14213..14572, 14218..14571		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o5.tw	Method	TBLASTX:Wheat
Start	3795	End	14587
GI	none	Score	380
Exons	3795..4097, 3797..4081, 3798..4091, 14285..14587, 14285..14521, 14287..14571		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3

Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o5.tm	Method	TBLASTX:Maize
Start	3816	End	14653
GI	none	Score	345
Exons	3816..4163, 3908..4162, 3969..4163, 14306..14653, 14308..14649		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o3.tw	Method	TBLASTX:Wheat
Start	4098	End	15013
GI	none	Score	587
Exons	4098..4520, 4130..4519, 14588..15013, 14596..14745, 14705..15004		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o3.ts	Method	TBLASTX:Soybean
Start	4104	End	14839
GI	none	Score	192
Exons	4104..4349, 4121..4348, 14594..14839		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o2.tm	Method	TBLASTX:Maize
Start	4169	End	15013
GI	none	Score	467
Exons	4169..4519, 4170..4523, 4170..4532, 14660..15013, 14662..14745, 14663..14998, 14821..15000		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o2.tw	Method	TBLASTX:Wheat
Start	4523	End	15580
GI	none	Score	657
Exons	4523..5089, 4554..5090, 15034..15576, 15053..15580		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o1.tc	Method	TBLASTX:Cress
Start	4788	End	15604
GI	none	Score	91
Exons	4788..4970, 4971..5114, 4973..5113, 15287..15460, 15295..15408, 15461..15604, 15463..15603		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o2.ts	Method	TBLASTX:Soybean
Start	4878	End	15625
GI	none	Score	296
Exons	4878..5138, 4883..5137, 15379..15624, 15380..15625		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o4.tm	Method	TBLASTX:Maize
Start	4937	End	15718
GI	none	Score	374
Exons	4937..5224, 4938..5228, 15427..15714, 15428..15718		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o1.tw	Method	TBLASTX:Wheat
Start	5097	End	16213
GI	none	Score	701
Exons	5097..5723, 5153..5722, 15587..16213, 15589..16092, 16144..16212		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o1.tm	Method	TBLASTX:Maize
Start	5277	End	16354
GI	none	Score	231
Exons	5277..5438, 5285..5431, 5435..5860, 5436..5876, 5592..5861, 15770..15928, 15772..15924, 15925..16038, 15926..16354, 16031..16066, 16135..16353		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o6.tw	Method	TBLASTX:Wheat
Start	5723	End	16546
GI	none	Score	325
Exons	5723..5992, 5724..6056, 5727..6035, 16213..16437, 16214..16546		

Seq. No.	57090	Seq. ID	OJ000250_79.0421.C3
Gene No.	119637	Strand	-
Start	17123	End	17476
Name	OJ000250_79.0421.C3.o4.gs	Method	GENSCAN
Start	17123	End	17476
GI	none	Score	.48
Exons	17123..17476		

Seq. No.	57091	Seq. ID	OJ000250_79.0421.C4
Gene No.	119638	Strand	+
Start	1187	End	2280
Name	OJ000250_79.0421.C4.o1.gs	Method	GENSCAN
Start	1187	End	2280
GI	none	Score	.44
Exons	1187..1328, 1515..1681, 2023..2130, 2215..2280		

Seq. No.	57091	Seq. ID	OJ000250_79.0421.C4
Gene No.	119639	Strand	+
Start	2988	End	5339
Name	OJ000250_79.0421.C4.o1.np	Method	AAT/NAP
Start	2988	End	5339
GI	5257279	Score	2058
Exons	2988..3533, 3881..4116, 4747..5339		

GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		
Seq. No.	57091	Seq. ID	OJ000250_79.0421.C4
Gene No.	119639	Strand	+
Start	2988	End	5339
Name	OJ000250_79.0421.C4.o2.gs	Method	GENSCAN
Start	2988	End	4180
GI	none	Score	.52
Exons	2988..3501, 3699..3769, 3881..4180		
Seq. No.	57091	Seq. ID	OJ000250_79.0421.C4
Gene No.	119639	Strand	+
Start	2988	End	5339
Name	OJ000250_79.0421.C4.o1.tw	Method	TBLASTX:Wheat
Start	4640	End	5026
GI	none	Score	156
Exons	4640..4855, 4663..4845, 4842..4901, 4892..5026		
Seq. No.	57092	Seq. ID	OJ000250_79.0421.C6
Gene No.	119640	Strand	+
Start	627	End	1095
Name	OJ000250_79.0421.C6.o1.gp	Method	AAT/GAP
Start	627	End	1095
GI	LIB3434-038-P1-K1-F1	Score	706
Exons	627..1095		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	57092	Seq. ID	OJ000250_79.0421.C6
Gene No.	119641	Strand	-
Start	439	End	529
Name	OJ000250_79.0421.C6.o1.gs	Method	GENSCAN
Start	439	End	529
GI	none	Score	.43
Exons	439..529		
Seq. No.	57093	Seq. ID	OJ000250_79.0421.C7
Gene No.	119642	Strand	-
Start	3931	End	4724
Name	OJ000250_79.0421.C7.o1.gp	Method	AAT/GAP
Start	3931	End	4724
GI	none	Score	1308
Exons	3931..4492, 4608..4724		
Seq. No.	57093	Seq. ID	OJ000250_79.0421.C7
Gene No.	119643	Strand	-
Start	6385	End	7638
Name	OJ000250_79.0421.C7.o2.gs	Method	GENSCAN
Start	6385	End	7638
GI	none	Score	.92
Exons	6385..7638		
Seq. No.	57094	Seq. ID	OJ000250_79.0421.C8
Gene No.	119644	Strand	+
Start	339	End	1592
Name	OJ000250_79.0421.C8.o1.gs	Method	GENSCAN

Start	339	End	1592
GI	none	Score	.71
Exons	339..603, 685..1592		

Seq. No.	57094	Seq. ID	OJ000250_79.0421.C8
Gene No.	119645	Strand	-
Start	2449	End	8490
Name	OJ000250_79.0421.C8.o2.gs	Method	GENSCAN
Start	2449	End	7594
GI	none	Score	.6
Exons	2449..2696, 3514..3671, 3749..3861, 5337..5649, 5729..5886, 6112..6385, 6551..6705, 6732..7041, 7193..7328, 7534..7594		

Seq. No.	57094	Seq. ID	OJ000250_79.0421.C8
Gene No.	119645	Strand	-
Start	2449	End	8490
Name	OJ000250_79.0421.C8.o1.tm	Method	TBLASTX:Maize
Start	4612	End	5342
GI	none	Score	552
Exons	4612..5334, 4612..4851, 4671..5342		

Seq. No.	57094	Seq. ID	OJ000250_79.0421.C8
Gene No.	119645	Strand	-
Start	2449	End	8490
Name	OJ000250_79.0421.C8.o1.np	Method	AAT/NAP
Start	4668	End	8490
GI	6630685	Score	4173
Exons	4668..7268, 8434..8490		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	57094	Seq. ID	OJ000250_79.0421.C8
Gene No.	119645	Strand	-
Start	2449	End	8490
Name	OJ000250_79.0421.C8.o2.ts	Method	TBLASTX:Soybean
Start	4683	End	5324
GI	none	Score	85
Exons	4683..4901, 4935..5324, 4936..5076, 4941..5135		

Seq. No.	57094	Seq. ID	OJ000250_79.0421.C8
Gene No.	119645	Strand	-
Start	2449	End	8490
Name	OJ000250_79.0421.C8.o1.tc	Method	TBLASTX:Cress
Start	4686	End	5141
GI	none	Score	72
Exons	4686..4898, 4738..4863, 4917..5051, 5055..5141		

Seq. No.	57094	Seq. ID	OJ000250_79.0421.C8
Gene No.	119645	Strand	-
Start	2449	End	8490
Name	OJ000250_79.0421.C8.o5.tw	Method	TBLASTX:Wheat
Start	4719	End	5055
GI	none	Score	59
Exons	4719..4901, 4732..4848, 4926..5051, 4951..5055		

Seq. No.	57094	Seq. ID	OJ000250_79.0421.C8
Gene No.	119645	Strand	-

Start	2449	End	8490
Name	OJ000250_79.0421.C8.o4.tw	Method	TBLASTX:Wheat
Start	5112	End	5525
GI	none	Score	87
Exons	5112..5345, 5373..5525		

Seq. No.	57094	Seq. ID	OJ000250_79.0421.C8
Gene No.	119645	Strand	-
Start	2449	End	8490
Name	OJ000250_79.0421.C8.o3.tm	Method	TBLASTX:Maize
Start	5457	End	5893
GI	none	Score	233
Exons	5457..5708, 5458..5775, 5701..5892, 5705..5893		

Seq. No.	57094	Seq. ID	OJ000250_79.0421.C8
Gene No.	119645	Strand	-
Start	2449	End	8490
Name	OJ000250_79.0421.C8.o1.ts	Method	TBLASTX:Soybean
Start	5696	End	6304
GI	5509260	Score	290
Exons	5696..6079, 5698..6078, 6094..6303, 6095..6304		
GI Descrip.	-		

Seq. No.	57094	Seq. ID	OJ000250_79.0421.C8
Gene No.	119645	Strand	-
Start	2449	End	8490
Name	OJ000250_79.0421.C8.o1.tw	Method	TBLASTX:Wheat
Start	5710	End	6159
GI	none	Score	282
Exons	5710..6075, 5723..6055, 5865..6059, 6094..6159		

Seq. No.	57094	Seq. ID	OJ000250_79.0421.C8
Gene No.	119645	Strand	-
Start	2449	End	8490
Name	OJ000250_79.0421.C8.o4.tm	Method	TBLASTX:Maize
Start	6011	End	6334
GI	none	Score	328
Exons	6011..6328, 6013..6327, 6014..6334		

Seq. No.	57094	Seq. ID	OJ000250_79.0421.C8
Gene No.	119645	Strand	-
Start	2449	End	8490
Name	OJ000250_79.0421.C8.o2.tm	Method	TBLASTX:Maize
Start	6349	End	7208
GI	none	Score	45
Exons	6349..6795, 6419..6460, 6464..6778, 6541..6786, 6774..7136, 6795..7139, 6838..7203, 7137..7208		

Seq. No.	57094	Seq. ID	OJ000250_79.0421.C8
Gene No.	119645	Strand	-
Start	2449	End	8490
Name	OJ000250_79.0421.C8.o3.tw	Method	TBLASTX:Wheat
Start	6442	End	6786
GI	none	Score	100
Exons	6442..6522, 6550..6708, 6551..6697, 6697..6786, 6710..6775		

Seq. No.	57094	Seq. ID	OJ000250_79.0421.C8

Gene No.	119645	Strand	-
Start	2449	End	8490
Name	OJ000250_79.0421.C8.o3.ts	Method	TBLASTX:Soybean
Start	6568	End	7028
GI	none	Score	105
Exons	6568..6795, 6819..7004, 6819..7028, 6838..7008		

Seq. No.	57094	Seq. ID	OJ000250_79.0421.C8
Gene No.	119645	Strand	-
Start	2449	End	8490
Name	OJ000250_79.0421.C8.o2.tc	Method	TBLASTX:Cress
Start	6571	End	6992
GI	none	Score	113
Exons	6571..6795, 6774..6992		

Seq. No.	57094	Seq. ID	OJ000250_79.0421.C8
Gene No.	119645	Strand	-
Start	2449	End	8490
Name	OJ000250_79.0421.C8.o2.tw	Method	TBLASTX:Wheat
Start	6873	End	7268
GI	none	Score	176
Exons	6873..7157, 6874..7161, 7142..7186, 7161..7184, 7168..7260, 7197..7268, 7213..7263, 7218..7268		

Seq. No.	57095	Seq. ID	OJ000250_79.0421.C9
Gene No.	119646	Strand	-
Start	1	End	3436
Name	OJ000250_79.0421.C9.o1.np	Method	AAT/NAP
Start	1	End	1241
GI	7489803	Score	711
Exons	1..55, 641..1241		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi|3645899|gb|AAC49502.1| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	57095	Seq. ID	OJ000250_79.0421.C9
Gene No.	119646	Strand	-
Start	1	End	3436
Name	OJ000250_79.0421.C9.o3.np	Method	AAT/NAP
Start	1	End	3436
GI	4416301	Score	501
Exons	1..44, 1838..2340, 2368..2534, 2568..3436		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	57095	Seq. ID	OJ000250_79.0421.C9
Gene No.	119646	Strand	-
Start	1	End	3436
Name	OJ000250_79.0421.C9.o1.gs	Method	GENSCAN
Start	600	End	3400
GI	none	Score	.87
Exons	600..1235, 1273..1393, 1537..2995, 3007..3400		

Seq. No.	57095	Seq. ID	OJ000250_79.0421.C9
Gene No.	119646	Strand	-
Start	1	End	3436
Name	OJ000250_79.0421.C9.o1.tm	Method	TBLASTX:Maize
Start	624	End	989

GI	none	Score	222
Exons	624..866, 637..870, 861..989, 874..981		

Seq. No.	57095	Seq. ID	OJ000250_79.0421.C9
Gene No.	119646	Strand	-
Start	1	End	3436
Name	OJ000250_79.0421.C9.o3.tw	Method	TBLASTX:Wheat
Start	624	End	830
GI	none	Score	194
Exons	624..830		

Seq. No.	57095	Seq. ID	OJ000250_79.0421.C9
Gene No.	119646	Strand	-
Start	1	End	3436
Name	OJ000250_79.0421.C9.o1.tw	Method	TBLASTX:Wheat
Start	897	End	1256
GI	none	Score	82
Exons	897..1256, 997..1125, 1175..1204		

Seq. No.	57095	Seq. ID	OJ000250_79.0421.C9
Gene No.	119646	Strand	-
Start	1	End	3436
Name	OJ000250_79.0421.C9.o2.tm	Method	TBLASTX:Maize
Start	990	End	1330
GI	none	Score	156
Exons	990..1232, 991..1248, 1252..1329, 1256..1330		

Seq. No.	57095	Seq. ID	OJ000250_79.0421.C9
Gene No.	119646	Strand	-
Start	1	End	3436
Name	OJ000250_79.0421.C9.o2.np	Method	AAT/NAP
Start	1199	End	3436
GI	4416301	Score	506
Exons	1199..1362, 1830..2340, 2368..2534, 2568..3436		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	57095	Seq. ID	OJ000250_79.0421.C9
Gene No.	119646	Strand	-
Start	1	End	3436
Name	OJ000250_79.0421.C9.o4.np	Method	AAT/NAP
Start	1635	End	3436
GI	7489737	Score	500
Exons	1635..1849, 1935..2420, 2448..3436		
GI Descrip.	gag protein homolog - maize retrotransposon Opie-2 gi|3645898|gb|AAC49501.1| (U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	57095	Seq. ID	OJ000250_79.0421.C9
Gene No.	119646	Strand	-
Start	1	End	3436
Name	OJ000250_79.0421.C9.o2.tw	Method	TBLASTX:Wheat
Start	2978	End	3295
GI	none	Score	65
Exons	2978..3292, 3195..3293, 3200..3295		

Seq. No.	57096	Seq. ID	OJ000250_79.0421.C10
Gene No.	119647	Strand	+

Start	698	End	1146
Name	OJ000250_79.0421.C10.o1.gs	Method	GENSCAN
Start	698	End	1146
GI	none	Score	1
Exons	698..1146		

Seq. No.	57096	Seq. ID	OJ000250_79.0421.C10
Gene No.	119648	Strand	+
Start	1881	End	3313
Name	OJ000250_79.0421.C10.o1.np	Method	AAT/NAP
Start	1878	End	3152
GI	7228441	Score	111
Exons	1878..2062, 3106..3152		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	57096	Seq. ID	OJ000250_79.0421.C10
Gene No.	119648	Strand	+
Start	1881	End	3313
Name	OJ000250_79.0421.C10.o2.gs	Method	GENSCAN
Start	1881	End	3313
GI	none	Score	.67
Exons	1881..2187, 2291..2533, 2632..2789, 3188..3313		

Seq. No.	57096	Seq. ID	OJ000250_79.0421.C10
Gene No.	119649	Strand	-
Start	4510	End	4780
Name	OJ000250_79.0421.C10.o2.tw	Method	TBLASTX:Wheat
Start	2143	End	2418
GI	none	Score	179
Exons	2143..2418		

Seq. No.	57096	Seq. ID	OJ000250_79.0421.C10
Gene No.	119649	Strand	-
Start	4510	End	4780
Name	OJ000250_79.0421.C10.o1.tm	Method	TBLASTX:Maize
Start	2269	End	2750
GI	none	Score	139
Exons	2269..2430, 2367..2429, 2449..2532, 2631..2675, 2679..2750		

Seq. No.	57096	Seq. ID	OJ000250_79.0421.C10
Gene No.	119649	Strand	-
Start	4510	End	4780
Name	OJ000250_79.0421.C10.o1.tw	Method	TBLASTX:Wheat
Start	2461	End	3000
GI	none	Score	82
Exons	2461..2532, 2631..2675, 2675..2710, 2676..2831, 2762..2830, 2836..3000, 2862..2999		

Seq. No.	57096	Seq. ID	OJ000250_79.0421.C10
Gene No.	119649	Strand	-
Start	4510	End	4780
Name	OJ000250_79.0421.C10.o3.gs	Method	GENSCAN
Start	4510	End	4780
GI	none	Score	.84
Exons	4510..4628, 4717..4780		

Seq. No.	57097	Seq. ID	OJ000250_79.0421.C11

Gene No.	119650	Strand	+
Start	8019	End	12343
Name	OJ000250_79.0421.C11.o3.gs	Method	GENSCAN
Start	8019	End	12343
GI	none	Score	.79
Exons	8019..8210, 11888..12343		

Seq. No.	57097	Seq. ID	OJ000250_79.0421.C11
Gene No.	119651	Strand	+
Start	12879	End	13305
Name	OJ000250_79.0421.C11.o1.gp	Method	AAT/GAP
Start	12879	End	13305
GI	LIB3434-038-P1-K1-F1	Score	481
Exons	12879..13305		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	57097	Seq. ID	OJ000250_79.0421.C11
Gene No.	119652	Strand	-
Start	4261	End	7547
Name	OJ000250_79.0421.C11.o1.np	Method	AAT/NAP
Start	4261	End	7547
GI	6815052	Score	384
Exons	4261..4379, 4458..4532, 4614..4766, 7519..7547		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	57097	Seq. ID	OJ000250_79.0421.C11
Gene No.	119652	Strand	-
Start	4261	End	7547
Name	OJ000250_79.0421.C11.o2.gs	Method	GENSCAN
Start	5683	End	7264
GI	none	Score	.96
Exons	5683..5749, 7149..7264		

Seq. No.	57097	Seq. ID	OJ000250_79.0421.C11
Gene No.	119653	Strand	-
Start	12582	End	13476
Name	OJ000250_79.0421.C11.o4.gs	Method	GENSCAN
Start	12582	End	13476
GI	none	Score	.89
Exons	12582..12656, 13117..13240, 13303..13476		

Seq. No.	57098	Seq. ID	OJ000350_60.0419.C3
Gene No.	119654	Strand	-
Start	1	End	2418
Name	OJ000350_60.0419.C3.o1.np	Method	AAT/NAP
Start	1	End	2418
GI	4680179	Score	3608
Exons	1..2418		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	57098	Seq. ID	OJ000350_60.0419.C3
Gene No.	119654	Strand	-
Start	1	End	2418
Name	OJ000350_60.0419.C3.o1.tm	Method	TBLASTX:Maize
Start	2	End	505
GI	none	Score	230

Exons	2..346, 6..347, 249..347, 277..351, 342..497, 344..505, 351..497		
Seq. No.	57098	Seq. ID	OJ000350_60.0419.C3
Gene No.	119654	Strand	-
Start	1	End	2418
Name	OJ000350_60.0419.C3.o1.gs	Method	GENSCAN
Start	51	End	2361
GI	none	Score	.82
Exons	51..2361		
Seq. No.	57098	Seq. ID	OJ000350_60.0419.C3
Gene No.	119654	Strand	-
Start	1	End	2418
Name	OJ000350_60.0419.C3.o1.tw	Method	TBLASTX:Wheat
Start	59	End	685
GI	none	Score	294
Exons	59..685, 60..629		
Seq. No.	57098	Seq. ID	OJ000350_60.0419.C3
Gene No.	119654	Strand	-
Start	1	End	2418
Name	OJ000350_60.0419.C3.o4.tm	Method	TBLASTX:Maize
Start	554	End	845
GI	none	Score	216
Exons	554..844, 558..845		
Seq. No.	57098	Seq. ID	OJ000350_60.0419.C3
Gene No.	119654	Strand	-
Start	1	End	2418
Name	OJ000350_60.0419.C3.o2.ts	Method	TBLASTX:Soybean
Start	643	End	904
GI	none	Score	151
Exons	643..774, 644..904, 645..899		
Seq. No.	57098	Seq. ID	OJ000350_60.0419.C3
Gene No.	119654	Strand	-
Start	1	End	2418
Name	OJ000350_60.0419.C3.o1.tc	Method	TBLASTX:Cress
Start	668	End	985
GI	none	Score	75
Exons	668..811, 669..809, 812..985		
Seq. No.	57098	Seq. ID	OJ000350_60.0419.C3
Gene No.	119654	Strand	-
Start	1	End	2418
Name	OJ000350_60.0419.C3.o2.tw	Method	TBLASTX:Wheat
Start	692	End	1259
GI	none	Score	338
Exons	692..1228, 696..1259		
Seq. No.	57098	Seq. ID	OJ000350_60.0419.C3
Gene No.	119654	Strand	-
Start	1	End	2418
Name	OJ000350_60.0419.C3.o2.tm	Method	TBLASTX:Maize
Start	1250	End	1613
GI	none	Score	170
Exons	1250..1612, 1259..1612, 1263..1613		

Seq. No.	57098	Seq. ID	OJ000350_60.0419.C3
Gene No.	119654	Strand	-
Start	1	End	2418
Name	OJ000350_60.0419.C3.o3.tw	Method	TBLASTX:Wheat
Start	1262	End	1684
GI	none	Score	347
Exons	1262..1684, 1263..1652		

Seq. No.	57098	Seq. ID	OJ000350_60.0419.C3
Gene No.	119654	Strand	-
Start	1	End	2418
Name	OJ000350_60.0419.C3.o3.ts	Method	TBLASTX:Soybean
Start	1433	End	1678
GI	none	Score	66
Exons	1433..1678, 1533..1661		

Seq. No.	57098	Seq. ID	OJ000350_60.0419.C3
Gene No.	119654	Strand	-
Start	1	End	2418
Name	OJ000350_60.0419.C3.o3.tm	Method	TBLASTX:Maize
Start	1649	End	2149
GI	none	Score	50
Exons	1649..1963, 1692..1742, 1765..1821, 1770..1823, 1970..2149, 1995..2141		

Seq. No.	57098	Seq. ID	OJ000350_60.0419.C3
Gene No.	119654	Strand	-
Start	1	End	2418
Name	OJ000350_60.0419.C3.o5.tw	Method	TBLASTX:Wheat
Start	1685	End	1987
GI	none	Score	272
Exons	1685..1987, 1701..1985, 1906..1986		

Seq. No.	57098	Seq. ID	OJ000350_60.0419.C3
Gene No.	119654	Strand	-
Start	1	End	2418
Name	OJ000350_60.0419.C3.o1.ts	Method	TBLASTX:Soybean
Start	1699	End	2095
GI	none	Score	193
Exons	1699..1968, 1700..2059, 1701..1991, 2019..2057, 2063..2095, 2064..2093		

Seq. No.	57098	Seq. ID	OJ000350_60.0419.C3
Gene No.	119654	Strand	-
Start	1	End	2418
Name	OJ000350_60.0419.C3.o4.tw	Method	TBLASTX:Wheat
Start	2036	End	2414
GI	none	Score	205
Exons	2036..2413, 2039..2404, 2079..2414		

Seq. No.	57098	Seq. ID	OJ000350_60.0419.C3
Gene No.	119654	Strand	-
Start	1	End	2418
Name	OJ000350_60.0419.C3.o2.tc	Method	TBLASTX:Cress
Start	2072	End	2389
GI	none	Score	180

Exons	2072..2389		
Seq. No.	57098	Seq. ID	OJ000350_60.0419.C3
Gene No.	119654	Strand	-
Start	1	End	2418
Name	OJ000350_60.0419.C3.o5.tm	Method	TBLASTX:Maize
Start	2217	End	2410
GI	none	Score	133
Exons	2217..2408, 2219..2410, 2219..2410		
Seq. No.	57099	Seq. ID	OJ000350_60.0419.C4
Gene No.	119655	Strand	-
Start	1	End	3571
Name	OJ000350_60.0419.C4.o1.np	Method	AAT/NAP
Start	1	End	782
GI	6983860	Score	768
Exons	1..782		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		
Seq. No.	57099	Seq. ID	OJ000350_60.0419.C4
Gene No.	119655	Strand	-
Start	1	End	3571
Name	OJ000350_60.0419.C4.o2.tw	Method	TBLASTX:Wheat
Start	13	End	243
GI	none	Score	175
Exons	13..243		
Seq. No.	57099	Seq. ID	OJ000350_60.0419.C4
Gene No.	119655	Strand	-
Start	1	End	3571
Name	OJ000350_60.0419.C4.o1.gs	Method	GENSCAN
Start	25	End	3571
GI	none	Score	.77
Exons	25..819, 1055..1083, 1122..1675, 1757..1944, 2393..2451, 2916..3036, 3554..3571		
Seq. No.	57099	Seq. ID	OJ000350_60.0419.C4
Gene No.	119655	Strand	-
Start	1	End	3571
Name	OJ000350_60.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	58	End	363
GI	none	Score	85
Exons	58..363, 233..349		
Seq. No.	57099	Seq. ID	OJ000350_60.0419.C4
Gene No.	119655	Strand	-
Start	1	End	3571
Name	OJ000350_60.0419.C4.o1.tw	Method	TBLASTX:Wheat
Start	244	End	606
GI	none	Score	147
Exons	244..606, 245..604		
Seq. No.	57099	Seq. ID	OJ000350_60.0419.C4
Gene No.	119655	Strand	-
Start	1	End	3571
Name	OJ000350_60.0419.C4.o1.gp	Method	AAT/GAP

Start	1158	End	1611
GI	95437_1.R1084	Score	765
Exons	1158..1611		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	57100	Seq. ID	OJ000350_60.0419.C5
Gene No.	119656	Strand	-
Start	1143	End	2690
Name	OJ000350_60.0419.C5.o1.np	Method	AAT/NAP
Start	1143	End	2690
GI	4680500	Score	77
Exons	1143..1393, 2660..2690		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	57100	Seq. ID	OJ000350_60.0419.C5
Gene No.	119656	Strand	-
Start	1143	End	2690
Name	OJ000350_60.0419.C5.o2.gs	Method	GENSCAN
Start	2111	End	2362
GI	none	Score	.9
Exons	2111..2362		

Seq. No.	57101	Seq. ID	OJ000350_60.0419.C7
Gene No.	119657	Strand	-
Start	231	End	1051
Name	OJ000350_60.0419.C7.o1.gs	Method	GENSCAN
Start	231	End	1051
GI	none	Score	.45
Exons	231..350, 477..666, 841..1051		

Seq. No.	57102	Seq. ID	OJ000350_60.0419.C17
Gene No.	119658	Strand	+
Start	25	End	886
Name	OJ000350_60.0419.C17.o1.gp	Method	AAT/GAP
Start	25	End	826
GI	286580	Score	795
Exons	25..82, 253..452, 583..826		
GI Descrip.	6006373/dbj|BAA84803.1| 2.0e-37 (AP000559) Similar to NAM like protein (AC005310) [Oryza sativa]		

Seq. No.	57102	Seq. ID	OJ000350_60.0419.C17
Gene No.	119658	Strand	+
Start	25	End	886
Name	OJ000350_60.0419.C17.o1.gs	Method	GENSCAN
Start	284	End	854
GI	none	Score	1
Exons	284..452, 583..854		

Seq. No.	57102	Seq. ID	OJ000350_60.0419.C17
Gene No.	119658	Strand	+
Start	25	End	886
Name	OJ000350_60.0419.C17.o1.np	Method	AAT/NAP
Start	284	End	886
GI	6730944	Score	761
Exons	284..452, 583..886		

GI Descrip. (AB028186) OsNAC7 protein [Oryza sativa]

Seq. No.	57102	Seq. ID	OJ000350_60.0419.C17
Gene No.	119658	Strand	+
Start	25	End	886
Name	OJ000350_60.0419.C17.o2.tm	Method	TBLASTX:Maize
Start	298	End	436
GI	none	Score	189
Exons	298..435, 299..436		

Seq. No.	57102	Seq. ID	OJ000350_60.0419.C17
Gene No.	119658	Strand	+
Start	25	End	886
Name	OJ000350_60.0419.C17.o1.tc	Method	TBLASTX:Cress
Start	305	End	833
GI	none	Score	140
Exons	305..448, 313..378, 582..833, 611..832		

Seq. No.	57102	Seq. ID	OJ000350_60.0419.C17
Gene No.	119658	Strand	+
Start	25	End	886
Name	OJ000350_60.0419.C17.o2.ts	Method	TBLASTX:Soybean
Start	310	End	451
GI	none	Score	218
Exons	310..447, 311..451		

Seq. No.	57102	Seq. ID	OJ000350_60.0419.C17
Gene No.	119658	Strand	+
Start	25	End	886
Name	OJ000350_60.0419.C17.o1.ts	Method	TBLASTX:Soybean
Start	569	End	854
GI	none	Score	385
Exons	569..850, 570..854, 732..854		

Seq. No.	57102	Seq. ID	OJ000350_60.0419.C17
Gene No.	119658	Strand	+
Start	25	End	886
Name	OJ000350_60.0419.C17.o1.tm	Method	TBLASTX:Maize
Start	576	End	833
GI	none	Score	158
Exons	576..725, 587..721, 729..827, 731..817, 731..832, 735..833		

Seq. No.	57102	Seq. ID	OJ000350_60.0419.C17
Gene No.	119658	Strand	+
Start	25	End	886
Name	OJ000350_60.0419.C17.o1.tw	Method	TBLASTX:Wheat
Start	614	End	830
GI	none	Score	96
Exons	614..715, 615..740, 744..830, 746..826		

Seq. No.	57103	Seq. ID	OJ000350_60.0419.C18
Gene No.	119659	Strand	+
Start	1	End	94
Name	OJ000350_60.0419.C18.o1.np	Method	AAT/NAP
Start	1	End	94
GI	6730944	Score	113
Exons	1..94		

GI Descrip. (AB028186) OsNAC7 protein [Oryza sativa]

Seq. No.	57103	Seq. ID	OJ000350_60.0419.C18
Gene No.	119660	Strand	+
Start	1644	End	1813
Name	OJ000350_60.0419.C18.o1.gs	Method	GENSCAN
Start	1644	End	1813
GI	none	Score	.74
Exons	1644..1813		

Seq. No.	57104	Seq. ID	OJ000350_60.0419.C19
Gene No.	119661	Strand	-
Start	988	End	1131
Name	OJ000350_60.0419.C19.o1.gs	Method	GENSCAN
Start	988	End	1131
GI	none	Score	.78
Exons	988..1131		

Seq. No.	57105	Seq. ID	OJ000350_60.0419.C22
Gene No.	119662	Strand	+
Start	55	End	78
Name	OJ000350_60.0419.C22.o1.gs	Method	GENSCAN
Start	55	End	78
GI	none	Score	.65
Exons	55..78		

Seq. No.	57106	Seq. ID	OJ000350_60.0419.C27
Gene No.	119663	Strand	-
Start	1	End	1295
Name	OJ000350_60.0419.C27.o1.np	Method	AAT/NAP
Start	1	End	1295
GI	6742729	Score	1768
Exons	1..352, 458..1295		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	57106	Seq. ID	OJ000350_60.0419.C27
Gene No.	119663	Strand	-
Start	1	End	1295
Name	OJ000350_60.0419.C27.o1.tw	Method	TBLASTX:Wheat
Start	2	End	511
GI	none	Score	375
Exons	2..370, 3..374, 221..379, 365..505, 366..458, 407..511		

Seq. No.	57106	Seq. ID	OJ000350_60.0419.C27
Gene No.	119663	Strand	-
Start	1	End	1295
Name	OJ000350_60.0419.C27.o1.tm	Method	TBLASTX:Maize
Start	44	End	463
GI	none	Score	140
Exons	44..358, 75..347, 365..463		

Seq. No.	57106	Seq. ID	OJ000350_60.0419.C27
Gene No.	119663	Strand	-
Start	1	End	1295
Name	OJ000350_60.0419.C27.o1.gs	Method	GENSCAN
Start	51	End	1198
GI	none	Score	.4

Exons	51..708, 832..1198		
Seq. No.	57106	Seq. ID	OJ000350_60.0419.C27
Gene No.	119663	Strand	-
Start	1	End	1295
Name	OJ000350_60.0419.C27.o2.tw	Method	TBLASTX:Wheat
Start	512	End	908
GI	none	Score	78
Exons	512..592, 513..593, 513..596, 626..748, 672..758, 744..839,	518..598, 520..597, 626..751, 746..835, 845..907, 861..908	
Seq. No.	57106	Seq. ID	OJ000350_60.0419.C27
Gene No.	119663	Strand	-
Start	1	End	1295
Name	OJ000350_60.0419.C27.o1.ts	Method	TBLASTX:Soybean
Start	941	End	1183
GI	none	Score	80
Exons	941..1183, 999..1178		
Seq. No.	57106	Seq. ID	OJ000350_60.0419.C27
Gene No.	119663	Strand	-
Start	1	End	1295
Name	OJ000350_60.0419.C27.o2.tm	Method	TBLASTX:Maize
Start	1013	End	1294
GI	none	Score	88
Exons	1013..1207, 1217..1294		
Seq. No.	57106	Seq. ID	OJ000350_60.0419.C27
Gene No.	119663	Strand	-
Start	1	End	1295
Name	OJ000350_60.0419.C27.o3.tw	Method	TBLASTX:Wheat
Start	1047	End	1294
GI	none	Score	163
Exons	1047..1283, 1047..1256, 1052..1276, 1256..1294, 1257..1289		
Seq. No.	57107	Seq. ID	OJ000350_60.0419.C28
Gene No.	119664	Strand	+
Start	429	End	560
Name	OJ000350_60.0419.C28.o1.gs	Method	GENSCAN
Start	429	End	560
GI	none	Score	.66
Exons	429..560		
Seq. No.	57108	Seq. ID	OJ000350_60.0419.C32
Gene No.	119665	Strand	+
Start	816	End	1262
Name	OJ000350_60.0419.C32.o1.gs	Method	GENSCAN
Start	816	End	1262
GI	none	Score	.67
Exons	816..902, 1194..1262		
Seq. No.	57109	Seq. ID	OJ000350_60.0419.C33
Gene No.	119666	Strand	+
Start	82	End	1479
Name	OJ000350_60.0419.C33.o1.gs	Method	GENSCAN
Start	82	End	1479
GI	none	Score	.63

Exons	82..205, 1385..1479		
Seq. No.	57109	Seq. ID	OJ000350_60.0419.C33
Gene No.	119667	Strand	-
Start	152	End	1283
Name	OJ000350_60.0419.C33.o1.np	Method	AAT/NAP
Start	152	End	1283
GI	5042463	Score	123
Exons	152..218, 277..438, 1086..1283		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	57110	Seq. ID	OJ000350_60.0419.C35
Gene No.	119668	Strand	+
Start	1	End	1196
Name	OJ000350_60.0419.C35.o1.np	Method	AAT/NAP
Start	1	End	1196
GI	6983860	Score	1809
Exons	1..1196		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		
Seq. No.	57110	Seq. ID	OJ000350_60.0419.C35
Gene No.	119668	Strand	+
Start	1	End	1196
Name	OJ000350_60.0419.C35.o3.tw	Method	TBLASTX:Wheat
Start	3	End	210
GI	none	Score	162
Exons	3..101, 5..97, 96..128, 97..135, 166..210		
Seq. No.	57110	Seq. ID	OJ000350_60.0419.C35
Gene No.	119668	Strand	+
Start	1	End	1196
Name	OJ000350_60.0419.C35.o1.tw	Method	TBLASTX:Wheat
Start	225	End	702
GI	none	Score	571
Exons	225..701, 344..697, 421..702		
Seq. No.	57110	Seq. ID	OJ000350_60.0419.C35
Gene No.	119668	Strand	+
Start	1	End	1196
Name	OJ000350_60.0419.C35.o2.tm	Method	TBLASTX:Maize
Start	318	End	665
GI	none	Score	259
Exons	318..650, 344..664, 345..665		
Seq. No.	57110	Seq. ID	OJ000350_60.0419.C35
Gene No.	119668	Strand	+
Start	1	End	1196
Name	OJ000350_60.0419.C35.o1.tc	Method	TBLASTX:Cress
Start	399	End	725
GI	none	Score	92
Exons	399..581, 582..725, 593..724		
Seq. No.	57110	Seq. ID	OJ000350_60.0419.C35
Gene No.	119668	Strand	+
Start	1	End	1196
Name	OJ000350_60.0419.C35.o1.ts	Method	TBLASTX:Soybean

Start	489	End	749
GI	none	Score	288
Exons	489..749, 500..748		

Seq. No.	57110	Seq. ID	OJ000350_60.0419.C35
Gene No.	119668	Strand	+
Start	1	End	1196
Name	OJ000350_60.0419.C35.o1.tm	Method	TBLASTX:Maize
Start	666	End	983
GI	none	Score	446
Exons	666..983, 668..979		

Seq. No.	57110	Seq. ID	OJ000350_60.0419.C35
Gene No.	119668	Strand	+
Start	1	End	1196
Name	OJ000350_60.0419.C35.o2.tw	Method	TBLASTX:Wheat
Start	708	End	1195
GI	none	Score	541
Exons	708..1193, 711..1187, 764..1195		

Seq. No.	57110	Seq. ID	OJ000350_60.0419.C35
Gene No.	119668	Strand	+
Start	1	End	1196
Name	OJ000350_60.0419.C35.o3.tm	Method	TBLASTX:Maize
Start	989	End	1193
GI	none	Score	243
Exons	989..1186, 990..1193		

Seq. No.	57111	Seq. ID	OJ000350_60.0419.C36
Gene No.	119669	Strand	+
Start	1	End	1742
Name	OJ000350_60.0419.C36.o1.np	Method	AAT/NAP
Start	1	End	1742
GI	6063554	Score	171
Exons	1..99, 189..378, 463..515, 1571..1742		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57111	Seq. ID	OJ000350_60.0419.C36
Gene No.	119669	Strand	+
Start	1	End	1742
Name	OJ000350_60.0419.C36.o1.gs	Method	GENSCAN
Start	165	End	1035
GI	none	Score	.92
Exons	165..408, 414:.553, 919..1035		

Seq. No.	57111	Seq. ID	OJ000350_60.0419.C36
Gene No.	119669	Strand	+
Start	1	End	1742
Name	OJ000350_60.0419.C36.o1.gp	Method	AAT/GAP
Start	1148	End	1583
GI	2428185	Score	679
Exons	1148..1583		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	57112	Seq. ID	OJ000350_60.0419.C42
Gene No.	119670	Strand	+
Start	858	End	1875
Name	OJ000350_60.0419.C42.o1.np	Method	AAT/NAP
Start	858	End	1875
GI	4063770	Score	98
Exons	858..1110, 1837..1875		
GI Descrip.	(AB004906) transposase [Ipomoea purpurea]		

Seq. No.	57112	Seq. ID	OJ000350_60.0419.C42
Gene No.	119671	Strand	-
Start	616	End	768
Name	OJ000350_60.0419.C42.o1.gs	Method	GENSCAN
Start	616	End	768
GI	none	Score	.44
Exons	616..768		

Seq. No.	57113	Seq. ID	OJ000350_60.0419.C43
Gene No.	119672	Strand	+
Start	647	End	783
Name	OJ000350_60.0419.C43.o1.gs	Method	GENSCAN
Start	647	End	783
GI	none	Score	.7
Exons	647..783		

Seq. No.	57114	Seq. ID	OJ000350_60.0419.C46
Gene No.	119673	Strand	+
Start	76	End	197
Name	OJ000350_60.0419.C46.o1.gs	Method	GENSCAN
Start	76	End	197
GI	none	Score	.47
Exons	76..197		

Seq. No.	57114	Seq. ID	OJ000350_60.0419.C46
Gene No.	119674	Strand	+
Start	1232	End	1325
Name	OJ000350_60.0419.C46.o1.gp	Method	AAT/GAP
Start	1232	End	1325
GI	LIB3477-003-P1-K1-E9	Score	132
Exons	1232..1325		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	57115	Seq. ID	OJ000350_60.0419.C49
Gene No.	119675	Strand	+
Start	876	End	1670
Name	OJ000350_60.0419.C49.o1.gs	Method	GENSCAN
Start	876	End	1508
GI	none	Score	.54
Exons	876..913, 1369..1508		

Seq. No.	57115	Seq. ID	OJ000350_60.0419.C49
Gene No.	119675	Strand	+
Start	876	End	1670
Name	OJ000350_60.0419.C49.o1.gp	Method	AAT/GAP
Start	1322	End	1670

GI	none	Score	374
Exons	1322..1508, 1644..1670		

Seq. No.	57116	Seq. ID	OJ000350_60.0419.C50
Gene No.	119676	Strand	+
Start	1308	End	1465
Name	OJ000350_60.0419.C50.o1.gs	Method	GENSCAN
Start	1308	End	1465
GI	none	Score	.99
Exons	1308..1465		

Seq. No.	57116	Seq. ID	OJ000350_60.0419.C50
Gene No.	119677	Strand	-
Start	1306	End	1482
Name	OJ000350_60.0419.C50.o1.gp	Method	AAT/GAP
Start	1306	End	1478
GI	none	Score	279
Exons	1306..1478		

Seq. No.	57116	Seq. ID	OJ000350_60.0419.C50
Gene No.	119677	Strand	-
Start	1306	End	1482
Name	OJ000350_60.0419.C50.o1.tm	Method	TBLASTX:Maize
Start	1311	End	1482
GI	none	Score	43
Exons	1311..1340, 1317..1460, 1331..1468, 1333..1482, 1343..1465		

Seq. No.	57116	Seq. ID	OJ000350_60.0419.C50
Gene No.	119677	Strand	-
Start	1306	End	1482
Name	OJ000350_60.0419.C50.o1.tw	Method	TBLASTX:Wheat
Start	1326	End	1465
GI	none	Score	154
Exons	1326..1463, 1331..1465, 1331..1465		

Seq. No.	57117	Seq. ID	OJ000350_60.0419.C51
Gene No.	119678	Strand	+
Start	855	End	1238
Name	OJ000350_60.0419.C51.o1.gp	Method	AAT/GAP
Start	855	End	1238
GI	LIB3434-057-P1-K1-E3	Score	682
Exons	855..1238		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	57117	Seq. ID	OJ000350_60.0419.C51
Gene No.	119679	Strand	-
Start	740	End	912
Name	OJ000350_60.0419.C51.o1.gs	Method	GENSCAN
Start	740	End	912
GI	none	Score	.41
Exons	740..912		

Seq. No.	57118	Seq. ID	OJ000350_60.0419.C53
Gene No.	119680	Strand	+
Start	1	End	799

Name	OJ000350_60.0419.C53.o1.np	Method	AAT/NAP
Start	1	End	799
GI	7488211	Score	72
Exons	1..69, 293..799		
GI Descrip.	probable sugar transport protein F23E12.140 - Arabidopsis thaliana gi|3080420|emb|CAA18739.1| (AL022604) putative sugar transporter protein [Arabidopsis thaliana] gi|7270482|emb|CAB80247.1| (AL161587) putative sugar transporter protein [Arabidopsis thaliana]		

Seq. No.	57118	Seq. ID	OJ000350_60.0419.C53
Gene No.	119680	Strand	+
Start	1	End	799
Name	OJ000350_60.0419.C53.o1.gs	Method	GENSCAN
Start	44	End	187
GI	none	Score	.71
Exons	44..187		

Seq. No.	57119	Seq. ID	OJ000350_60.0419.C56
Gene No.	119681	Strand	+
Start	1	End	896
Name	OJ000350_60.0419.C56.o1.np	Method	AAT/NAP
Start	1	End	875
GI	4680203	Score	807
Exons	1..875		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	57119	Seq. ID	OJ000350_60.0419.C56
Gene No.	119681	Strand	+
Start	1	End	896
Name	OJ000350_60.0419.C56.o1.gs	Method	GENSCAN
Start	56	End	896
GI	none	Score	.8
Exons	56..685, 699..896		

Seq. No.	57119	Seq. ID	OJ000350_60.0419.C56
Gene No.	119682	Strand	-
Start	523	End	959
Name	OJ000350_60.0419.C56.o1.tw	Method	TBLASTX:Wheat
Start	1	End	821
GI	none	Score	319
Exons	1..399, 2..445, 405..464, 425..469, 428..469, 472..567, 476..535, 514..654, 515..655, 583..663, 667..735, 668..736, 755..820, 756..821		

Seq. No.	57119	Seq. ID	OJ000350_60.0419.C56
Gene No.	119682	Strand	-
Start	523	End	959
Name	OJ000350_60.0419.C56.o1.gp	Method	AAT/GAP
Start	523	End	959
GI	LIB3431-028-P1-N1-A10	Score	728
Exons	523..861, 889..959		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	57120	Seq. ID	OJ000350_60.0419.C57
Gene No.	119683	Strand	+

Start	1	End	4495
Name	OJ000350_60.0419.C57.o1.np	Method	AAT/NAP
Start	1	End	4495
GI	4680204	Score	628
Exons	1..231, 1643..2300, 2396..3468, 4477..4495		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	57120	Seq. ID	OJ000350_60.0419.C57
Gene No.	119683	Strand	+
Start	1	End	4495
Name	OJ000350_60.0419.C57.o2.gs	Method	GENSCAN
Start	2408	End	4276
GI	none	Score	.51
Exons	2408..2537, 2663..2781, 2783..3329, 3407..3468, 3573..3839, 4019..4276		

Seq. No.	57120	Seq. ID	OJ000350_60.0419.C57
Gene No.	119684	Strand	-
Start	3913	End	4495
Name	OJ000350_60.0419.C57.o1.tw	Method	TBLASTX:Wheat
Start	1628	End	1954
GI	none	Score	142
Exons	1628..1783, 1639..1764, 1778..1918, 1837..1917, 1928..1954		

Seq. No.	57120	Seq. ID	OJ000350_60.0419.C57
Gene No.	119684	Strand	-
Start	3913	End	4495
Name	OJ000350_60.0419.C57.o3.np	Method	AAT/NAP
Start	3913	End	4495
GI	5042454	Score	194
Exons	3913..3966, 4199..4495		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	57121	Seq. ID	OJ000350_60.0419.C58
Gene No.	119685	Strand	-
Start	1	End	2491
Name	OJ000350_60.0419.C58.o1.np	Method	AAT/NAP
Start	1	End	2491
GI	5042454	Score	2604
Exons	1..400, 1032..2491		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	57121	Seq. ID	OJ000350_60.0419.C58
Gene No.	119685	Strand	-
Start	1	End	2491
Name	OJ000350_60.0419.C58.o1.gp	Method	AAT/GAP
Start	433	End	891
GI	2428323	Score	653
Exons	433..891		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	57121	Seq. ID	OJ000350_60.0419.C58
Gene No.	119685	Strand	-
Start	1	End	2491
Name	OJ000350_60.0419.C58.o2.gs	Method	GENSCAN
Start	1031	End	2383

GI	none	Score	.52
Exons	1031..1307, 1470..2383		

Seq. No.	57121	Seq. ID	OJ000350_60.0419.C58
Gene No.	119685	Strand	-
Start	1	End	2491
Name	OJ000350_60.0419.C58.o2.tm	Method	TBLASTX:Maize
Start	1031	End	1174
GI	none	Score	125
Exons	1031..1174, 1035..1169		

Seq. No.	57121	Seq. ID	OJ000350_60.0419.C58
Gene No.	119685	Strand	-
Start	1	End	2491
Name	OJ000350_60.0419.C58.o1.tw	Method	TBLASTX:Wheat
Start	1676	End	2068
GI	none	Score	86
Exons	1676..1933, 1755..1949, 1916..2014, 1917..2009, 2021..2068		

Seq. No.	57121	Seq. ID	OJ000350_60.0419.C58
Gene No.	119685	Strand	-
Start	1	End	2491
Name	OJ000350_60.0419.C58.o1.tm	Method	TBLASTX:Maize
Start	1778	End	2063
GI	none	Score	92
Exons	1778..2026, 1779..2063		

Seq. No.	57122	Seq. ID	OJ000350_60.0419.C61
Gene No.	119686	Strand	+
Start	1450	End	1756
Name	OJ000350_60.0419.C61.o1.gs	Method	GENSCAN
Start	1450	End	1579
GI	none	Score	.92
Exons	1450..1579		

Seq. No.	57122	Seq. ID	OJ000350_60.0419.C61
Gene No.	119686	Strand	+
Start	1450	End	1756
Name	OJ000350_60.0419.C61.o1.np	Method	AAT/NAP
Start	1450	End	1756
GI	5902448	Score	508
Exons	1450..1756		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	57122	Seq. ID	OJ000350_60.0419.C61
Gene No.	119687	Strand	-
Start	1	End	148
Name	OJ000350_60.0419.C61.o1.gp	Method	AAT/GAP
Start	1	End	148
GI	uC-osflcyp177g01a1	Score	260
Exons	1..148		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	57123	Seq. ID	OJ000350_60.0419.C62
Gene No.	119688	Strand	+
Start	217	End	977

Name	OJ000350_60.0419.C62.o1.np	Method	AAT/NAP
Start	217	End	977
GI	5902447	Score	937
Exons	217..977		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	57123	Seq. ID	OJ000350_60.0419.C62
Gene No.	119688	Strand	+
Start	217	End	977
Name	OJ000350_60.0419.C62.o1.gs	Method	GENSCAN
Start	341	End	905
GI	none	Score	.58
Exons	341..491, 574..905		

Seq. No.	57124	Seq. ID	OJ000350_60.0419.C64
Gene No.	119689	Strand	+
Start	461	End	856
Name	OJ000350_60.0419.C64.o1.gs	Method	GENSCAN
Start	461	End	856
GI	none	Score	.85
Exons	461..856		

Seq. No.	57125	Seq. ID	OJ000350_60.0419.C65
Gene No.	119690	Strand	+
Start	254	End	319
Name	OJ000350_60.0419.C65.o1.gs	Method	GENSCAN
Start	254	End	319
GI	none	Score	.71
Exons	254..319		

Seq. No.	57125	Seq. ID	OJ000350_60.0419.C65
Gene No.	119691	Strand	+
Start	499	End	6270
Name	OJ000350_60.0419.C65.o2.np	Method	AAT/NAP
Start	499	End	6270
GI	5852180	Score	567
Exons	499..536, 4081..4151, 5144..5261, 5313..5726, 6242..6270		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	57125	Seq. ID	OJ000350_60.0419.C65
Gene No.	119691	Strand	+
Start	499	End	6270
Name	OJ000350_60.0419.C65.o3.gs	Method	GENSCAN
Start	5128	End	5955
GI	none	Score	.48
Exons	5128..5261, 5313..5955		

Seq. No.	57125	Seq. ID	OJ000350_60.0419.C65
Gene No.	119692	Strand	-
Start	1	End	2118
Name	OJ000350_60.0419.C65.o1.np	Method	AAT/NAP
Start	1	End	2118
GI	4680341	Score	407
Exons	1..21, 1733..2118		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	57125	Seq. ID	OJ000350_60.0419.C65

Gene No.	119693	Strand	-
Start	4000	End	4385
Name	OJ000350_60.0419.C65.o1.gp	Method	AAT/GAP
Start	4000	End	4385
GI	uC-osflcyp033a04b1	Score	657
Exons	4000..4385		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	57126	Seq. ID	OJ000350_60.0419.C66
Gene No.	119694	Strand	+
Start	1	End	770
Name	OJ000350_60.0419.C66.o1.np	Method	AAT/NAP
Start	1	End	770
GI	6691191	Score	626
Exons	1..770		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	57126	Seq. ID	OJ000350_60.0419.C66
Gene No.	119694	Strand	+
Start	1	End	770
Name	OJ000350_60.0419.C66.o1.tc	Method	TBLASTX:Cress
Start	15	End	398
GI	none	Score	48
Exons	15..92, 96..398, 141..395		

Seq. No.	57126	Seq. ID	OJ000350_60.0419.C66
Gene No.	119694	Strand	+
Start	1	End	770
Name	OJ000350_60.0419.C66.o1.gs	Method	GENSCAN
Start	18	End	724
GI	none	Score	.82
Exons	18..252, 418..724		

Seq. No.	57126	Seq. ID	OJ000350_60.0419.C66
Gene No.	119694	Strand	+
Start	1	End	770
Name	OJ000350_60.0419.C66.o1.tw	Method	TBLASTX:Wheat
Start	105	End	437
GI	none	Score	273
Exons	105..437		

Seq. No.	57126	Seq. ID	OJ000350_60.0419.C66
Gene No.	119694	Strand	+
Start	1	End	770
Name	OJ000350_60.0419.C66.o1.ts	Method	TBLASTX:Soybean
Start	419	End	770
GI	none	Score	73
Exons	419..460, 420..461, 458..553, 459..680, 617..679, 662..766, 672..770, 676..768		

Seq. No.	57126	Seq. ID	OJ000350_60.0419.C66
Gene No.	119694	Strand	+
Start	1	End	770
Name	OJ000350_60.0419.C66.o2.tw	Method	TBLASTX:Wheat
Start	443	End	769
GI	none	Score	168

Exons	443..640, 450..692, 483..644, 653..769		
Seq. No.	57127	Seq. ID	OJ000350_60.0419.C67
Gene No.	119695	Strand	+
Start	69	End	530
Name	OJ000350_60.0419.C67.o1.np	Method	AAT/NAP
Start	69	End	527
GI	5902446	Score	700
Exons	69..527		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		
Seq. No.	57127	Seq. ID	OJ000350_60.0419.C67
Gene No.	119695	Strand	+
Start	69	End	530
Name	OJ000350_60.0419.C67.o1.gs	Method	GENSCAN
Start	82	End	530
GI	none	Score	.98
Exons	82..530		
Seq. No.	57127	Seq. ID	OJ000350_60.0419.C67
Gene No.	119696	Strand	-
Start	845	End	1968
Name	OJ000350_60.0419.C67.o2.gs	Method	GENSCAN
Start	845	End	1678
GI	none	Score	.81
Exons	845..1678		
Seq. No.	57127	Seq. ID	OJ000350_60.0419.C67
Gene No.	119696	Strand	-
Start	845	End	1968
Name	OJ000350_60.0419.C67.o2.np	Method	AAT/NAP
Start	848	End	1968
GI	5902445	Score	1955
Exons	848..1968		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	57127	Seq. ID	OJ000350_60.0419.C67
Gene No.	119696	Strand	-
Start	845	End	1968
Name	OJ000350_60.0419.C67.o2.tw	Method	TBLASTX:Wheat
Start	857	End	1471
GI	none	Score	62
Exons	857..994, 861..983, 980..1138, 1193..1471, 1209..1310, 1362..1451		
Seq. No.	57127	Seq. ID	OJ000350_60.0419.C67
Gene No.	119696	Strand	-
Start	845	End	1968
Name	OJ000350_60.0419.C67.o2.tm	Method	TBLASTX:Maize
Start	896	End	1129
GI	none	Score	102
Exons	896..997, 897..998, 977..1129, 978..1028		
Seq. No.	57127	Seq. ID	OJ000350_60.0419.C67
Gene No.	119696	Strand	-
Start	845	End	1968
Name	OJ000350_60.0419.C67.o3.tm	Method	TBLASTX:Maize

Start	1241	End	1514
GI	none	Score	56
Exons	1241..1327, 1337..1420, 1350..1424, 1407..1514, 1415..1513		

Seq. No.	57127	Seq. ID	OJ000350_60.0419.C67
Gene No.	119696	Strand	-
Start	845	End	1968
Name	OJ000350_60.0419.C67.o1.tw	Method	TBLASTX:Wheat
Start	1584	End	1966
GI	none	Score	55
Exons	1584..1631, 1586..1771, 1586..1966, 1662..1964, 1814..1966		

Seq. No.	57127	Seq. ID	OJ000350_60.0419.C67
Gene No.	119696	Strand	-
Start	845	End	1968
Name	OJ000350_60.0419.C67.o1.tm	Method	TBLASTX:Maize
Start	1616	End	1966
GI	none	Score	65
Exons	1616..1663, 1617..1664, 1635..1958, 1653..1958, 1655..1966		

Seq. No.	57128	Seq. ID	OJ000350_60.0419.C68
Gene No.	119697	Strand	-
Start	1	End	1811
Name	OJ000350_60.0419.C68.o1.np	Method	AAT/NAP
Start	1	End	1507
GI	5902445	Score	2555
Exons	1..1507		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	57128	Seq. ID	OJ000350_60.0419.C68
Gene No.	119697	Strand	-
Start	1	End	1811
Name	OJ000350_60.0419.C68.o4.tw	Method	TBLASTX:Wheat
Start	1	End	312
GI	none	Score	106
Exons	1..72, 42..143, 46..144, 153..311, 154..312		

Seq. No.	57128	Seq. ID	OJ000350_60.0419.C68
Gene No.	119697	Strand	-
Start	1	End	1811
Name	OJ000350_60.0419.C68.o1.gs	Method	GENSCAN
Start	39	End	1765
GI	none	Score	.68
Exons	39..824, 836..1570, 1706..1765		

Seq. No.	57128	Seq. ID	OJ000350_60.0419.C68
Gene No.	119697	Strand	-
Start	1	End	1811
Name	OJ000350_60.0419.C68.o2.tw	Method	TBLASTX:Wheat
Start	315	End	744
GI	none	Score	47
Exons	315..743, 345..566, 472..744		

Seq. No.	57128	Seq. ID	OJ000350_60.0419.C68
Gene No.	119697	Strand	-
Start	1	End	1811
Name	OJ000350_60.0419.C68.o2.tm	Method	TBLASTX:Maize

Start	402	End	844
GI	none	Score	87
Exons	402..428, 426..569, 439..570,	591..779,	592..747, 752..844

Seq. No.	57128	Seq. ID	OJ000350_60.0419.C68
Gene No.	119697	Strand	-
Start	1	End	1811
Name	OJ000350_60.0419.C68.o1.ts	Method	TBLASTX:Soybean
Start	513	End	943
GI	none	Score	58
Exons	513..740, 547..717, 749..943,	753..896	

Seq. No.	57128	Seq. ID	OJ000350_60.0419.C68
Gene No.	119697	Strand	-
Start	1	End	1811
Name	OJ000350_60.0419.C68.o3.tw	Method	TBLASTX:Wheat
Start	788	End	1106
GI	none	Score	176
Exons	788..1105, 789..1106		

Seq. No.	57128	Seq. ID	OJ000350_60.0419.C68
Gene No.	119697	Strand	-
Start	1	End	1811
Name	OJ000350_60.0419.C68.o1.tm	Method	TBLASTX:Maize
Start	1076	End	1432
GI	none	Score	101
Exons	1076..1369, 1076..1432, 1086..1391		

Seq. No.	57128	Seq. ID	OJ000350_60.0419.C68
Gene No.	119697	Strand	-
Start	1	End	1811
Name	OJ000350_60.0419.C68.o1.tw	Method	TBLASTX:Wheat
Start	1106	End	1562
GI	none	Score	270
Exons	1106..1561, 1107..1562		

Seq. No.	57128	Seq. ID	OJ000350_60.0419.C68
Gene No.	119697	Strand	-
Start	1	End	1811
Name	OJ000350_60.0419.C68.o2.ts	Method	TBLASTX:Soybean
Start	1157	End	1522
GI	none	Score	138
Exons	1157..1291, 1298..1522		

Seq. No.	57128	Seq. ID	OJ000350_60.0419.C68
Gene No.	119697	Strand	-
Start	1	End	1811
Name	OJ000350_60.0419.C68.o2.np	Method	AAT/NAP
Start	1574	End	1811
GI	5902444	Score	345
Exons	1574..1811		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	57129	Seq. ID	OJ000350_60.0419.C69
Gene No.	119698	Strand	-
Start	1	End	1109
Name	OJ000350_60.0419.C69.o1.np	Method	AAT/NAP

Start	1	End	1109
GI	5902444	Score	1888
Exons	1..1109		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	57129	Seq. ID	OJ000350_60.0419.C69
Gene No.	119698	Strand	-
Start	1	End	1109
Name	OJ000350_60.0419.C69.o2.tw	Method	TBLASTX:Wheat
Start	4	End	240
GI	none	Score	57
Exons	4..240, 10..240		

Seq. No.	57129	Seq. ID	OJ000350_60.0419.C69
Gene No.	119698	Strand	-
Start	1	End	1109
Name	OJ000350_60.0419.C69.o1.gs	Method	GENSCAN
Start	45	End	1011
GI	none	Score	.71
Exons	45..1011		

Seq. No.	57129	Seq. ID	OJ000350_60.0419.C69
Gene No.	119698	Strand	-
Start	1	End	1109
Name	OJ000350_60.0419.C69.o1.tw	Method	TBLASTX:Wheat
Start	724	End	1102
GI	none	Score	110
Exons	724..1101, 818..1102		

Seq. No.	57130	Seq. ID	OJ000250_64.0419.C3
Gene No.	119699	Strand	+
Start	1	End	2681
Name	OJ000250_64.0419.C3.o1.np	Method	AAT/NAP
Start	1	End	2338
GI	7228451	Score	120
Exons	1..136, 830..1057, 2278..2338		
GI Descrip.	(AP001366) EST AU055734(S20025) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57130	Seq. ID	OJ000250_64.0419.C3
Gene No.	119699	Strand	+
Start	1	End	2681
Name	OJ000250_64.0419.C3.o2.np	Method	AAT/NAP
Start	4	End	2681
GI	130593	Score	403
Exons	4..115, 1628..2681		
GI Descrip.	ENZYMATIC POLYPROTEIN [CONTAINS: ASPARTIC PROTEASE ; ENDONUCLEASE; REVERSE TRANSCRIPTASE] gi|76775|pir||S00854 hypothetical protein 5 - carnation etched ring virus gi|58863|emb|CAA28360| (X04658) pot. ORF 5 (AA 1-659) [Carnation etched ring virus] gi|225356|prf||1301227E ORF 5 [Carnation etched ring virus]		

Seq. No.	57130	Seq. ID	OJ000250_64.0419.C3
Gene No.	119699	Strand	+
Start	1	End	2681
Name	OJ000250_64.0419.C3.o1.tw	Method	TBLASTX:Wheat

Start	1597	End	1974
GI	none	Score	74
Exons	1597..1740, 1729..1974		

Seq. No.	57131	Seq. ID	OJ000250_64.0419.C4
Gene No.	119700	Strand	+
Start	162	End	338
Name	OJ000250_64.0419.C4.o1.gs	Method	GENSCAN
Start	162	End	338
GI	none	Score	.93
Exons	162..338		

Seq. No.	57131	Seq. ID	OJ000250_64.0419.C4
Gene No.	119701	Strand	+
Start	1693	End	4130
Name	OJ000250_64.0419.C4.o2.gs	Method	GENSCAN
Start	1693	End	4130
GI	none	Score	.71
Exons	1693..1786, 2024..2098, 2118..2232, 2376..2878, 3008..3507, 3861..4130		

Seq. No.	57131	Seq. ID	OJ000250_64.0419.C4
Gene No.	119701	Strand	+
Start	1693	End	4130
Name	OJ000250_64.0419.C4.o1.np	Method	AAT/NAP
Start	1997	End	3524
GI	6539588	Score	161
Exons	1997..2247, 3493..3524		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	57132	Seq. ID	OJ000250_64.0419.C5
Gene No.	119702	Strand	+
Start	48	End	827
Name	OJ000250_64.0419.C5.o1.gs	Method	GENSCAN
Start	48	End	814
GI	none	Score	.62
Exons	48..814		

Seq. No.	57132	Seq. ID	OJ000250_64.0419.C5
Gene No.	119702	Strand	+
Start	48	End	827
Name	OJ000250_64.0419.C5.o1.np	Method	AAT/NAP
Start	203	End	827
GI	7489803	Score	269
Exons	203..827		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi|3645899|gb|AAC49502.1| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	57133	Seq. ID	OJ000250_64.0419.C6
Gene No.	119703	Strand	-
Start	1	End	914
Name	OJ000250_64.0419.C6.o1.np	Method	AAT/NAP
Start	1	End	914
GI	6721512	Score	91
Exons	1..154, 890..914		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	57134	Seq. ID	OJ000250_64.0419.C7
Gene No.	119704	Strand	+
Start	636	End	1355
Name	OJ000250_64.0419.C7.o1.gs	Method	GENSCAN
Start	636	End	914
GI	none	Score	.45
Exons	636..914		

Seq. No.	57134	Seq. ID	OJ000250_64.0419.C7
Gene No.	119704	Strand	+
Start	636	End	1355
Name	OJ000250_64.0419.C7.o1.np	Method	AAT/NAP
Start	710	End	1355
GI	6006359	Score	54
Exons	710..794, 1312..1355		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	57135	Seq. ID	OJ000250_64.0419.C8
Gene No.	119705	Strand	-
Start	1	End	1151
Name	OJ000250_64.0419.C8.o1.np	Method	AAT/NAP
Start	1	End	1151
GI	4115365	Score	356
Exons	1..299, 345..762, 1083..1151		
GI Descrip.	(AC005957) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	57135	Seq. ID	OJ000250_64.0419.C8
Gene No.	119705	Strand	-
Start	1	End	1151
Name	OJ000250_64.0419.C8.o2.np	Method	AAT/NAP
Start	656	End	1151
GI	7248394	Score	277
Exons	656..1035, 1073..1151		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	57136	Seq. ID	OJ000250_64.0419.C9
Gene No.	119706	Strand	+
Start	402	End	633
Name	OJ000250_64.0419.C9.o1.gs	Method	GENSCAN
Start	402	End	633
GI	none	Score	.97
Exons	402..633		

Seq. No.	57137	Seq. ID	OJ000250_64.0419.C12
Gene No.	119707	Strand	-
Start	29	End	1481
Name	OJ000250_64.0419.C12.o1.gs	Method	GENSCAN
Start	29	End	1477
GI	none	Score	.59
Exons	29..575, 791..863, 958..1047, 1069..1371, 1414..1477		

Seq. No.	57137	Seq. ID	OJ000250_64.0419.C12
Gene No.	119707	Strand	-
Start	29	End	1481
Name	OJ000250_64.0419.C12.o1.np	Method	AAT/NAP
Start	129	End	1481
GI	6742729	Score	1031
Exons	129..1481		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	57138	Seq. ID	OJ000250_64.0419.C13
Gene No.	119708	Strand	-
Start	1	End	1623
Name	OJ000250_64.0419.C13.o1.np	Method	AAT/NAP
Start	1	End	1623
GI	4680203	Score	1077
Exons	1..1623		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	57139	Seq. ID	OJ000250_64.0419.C14
Gene No.	119709	Strand	+
Start	1	End	2504
Name	OJ000250_64.0419.C14.o1.np	Method	AAT/NAP
Start	1	End	2504
GI	4680183	Score	191
Exons	1..52, 1738..1808, 2415..2504		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	57140	Seq. ID	OJ000250_64.0419.C15
Gene No.	119710	Strand	-
Start	366	End	824
Name	OJ000250_64.0419.C15.o1.np	Method	AAT/NAP
Start	366	End	824
GI	4680179	Score	673
Exons	366..824		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	57141	Seq. ID	OJ000250_64.0419.C24
Gene No.	119711	Strand	-
Start	1	End	1159
Name	OJ000250_64.0419.C24.o1.np	Method	AAT/NAP
Start	1	End	1159
GI	7228451	Score	514
Exons	1..52, 311..796, 1073..1159		
GI Descrip.	(AP001366) EST AU055734(S20025) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57141	Seq. ID	OJ000250_64.0419.C24
Gene No.	119711	Strand	-
Start	1	End	1159
Name	OJ000250_64.0419.C24.o1.gs	Method	GENSCAN
Start	621	End	994
GI	none	Score	.68
Exons	621..754, 931..994		

Seq. No.	57142	Seq. ID	OJ000250_64.0419.C25
Gene No.	119712	Strand	+
Start	164	End	208

Name	OJ000250_64.0419.C25.o1.gs	Method	GENSCAN
Start	164	End	208
GI	none	Score	.9
Exons	164..208		

Seq. No.	57142	Seq. ID	OJ000250_64.0419.C25
Gene No.	119713	Strand	-
Start	2787	End	2874
Name	OJ000250_64.0419.C25.o1.gp	Method	AAT/GAP
Start	2787	End	2874
GI	5867_1.R1084	Score	130
Exons	2787..2874		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	57143	Seq. ID	OJ000250_64.0419.C26
Gene No.	119714	Strand	+
Start	73	End	556
Name	OJ000250_64.0419.C26.o1.gp	Method	AAT/GAP
Start	73	End	556
GI	LIB3432-059-P1-K1-D8	Score	637
Exons	73..273, 304..556		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	57143	Seq. ID	OJ000250_64.0419.C26
Gene No.	119715	Strand	+
Start	478	End	568
Name	OJ000250_64.0419.C26.o2.gp	Method	AAT/GAP
Start	478	End	568
GI	LIB3477-003-P1-K1-E9	Score	124
Exons	478..568		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	57143	Seq. ID	OJ000250_64.0419.C26
Gene No.	119716	Strand	+
Start	634	End	2177
Name	OJ000250_64.0419.C26.o1.gs	Method	GENSCAN
Start	634	End	2177
GI	none	Score	.69
Exons	634..715, 1444..1611, 1861..1968, 2149..2177		

Seq. No.	57143	Seq. ID	OJ000250_64.0419.C26
Gene No.	119717	Strand	-
Start	1011	End	1702
Name	OJ000250_64.0419.C26.o1.np	Method	AAT/NAP
Start	1011	End	1702
GI	6498436	Score	386
Exons	1011..1131, 1397..1702		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	57144	Seq. ID	OJ000250_64.0419.C27
Gene No.	119718	Strand	-
Start	350	End	1456
Name	OJ000250_64.0419.C27.o1.gs	Method	GENSCAN
Start	350	End	1456
GI	none	Score	.61
Exons	350..473, 1323..1456		

Seq. No.	57145	Seq. ID	OJ000250_64.0419.C28
Gene No.	119719	Strand	-
Start	1242	End	2991
Name	OJ000250_64.0419.C28.o1.np	Method	AAT/NAP
Start	1242	End	2991
GI	4433620	Score	164
Exons	1242..1267, 2635..2769, 2854..2991		
GI Descrip.	(AF107586) putative cell division control protein [Dendrobium grex Madame Thong-IN]		

Seq. No.	57145	Seq. ID	OJ000250_64.0419.C28
Gene No.	119719	Strand	-
Start	1242	End	2991
Name	OJ000250_64.0419.C28.o1.gs	Method	GENSCAN
Start	2067	End	2626
GI	none	Score	.46
Exons	2067..2079, 2418..2626		

Seq. No.	57145	Seq. ID	OJ000250_64.0419.C28
Gene No.	119719	Strand	-
Start	1242	End	2991
Name	OJ000250_64.0419.C28.o1.tm	Method	TBLASTX:Maize
Start	2635	End	2908
GI	none	Score	149
Exons	2635..2772, 2635..2769, 2636..2770, 2833..2901, 2834..2908, 2852..2902		

Seq. No.	57146	Seq. ID	OJ000250_64.0419.C29
Gene No.	119720	Strand	+
Start	159	End	884
Name	OJ000250_64.0419.C29.o1.np	Method	AAT/NAP
Start	159	End	884
GI	7248393	Score	504
Exons	159..435, 475..884		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	57147	Seq. ID	OJ000250_64.0419.C33
Gene No.	119721	Strand	-
Start	1	End	1254
Name	OJ000250_64.0419.C33.o1.np	Method	AAT/NAP
Start	1	End	1254
GI	5902445	Score	996
Exons	1..1254		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	57148	Seq. ID	OJ000250_64.0419.C34
Gene No.	119722	Strand	+
Start	1	End	1479

Name	OJ000250_64.0419.C34.o1.np	Method	AAT/NAP
Start	1	End	1479
GI	7248394	Score	1707
Exons	1..49, 320..1479		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	57148	Seq. ID	OJ000250_64.0419.C34
Gene No.	119722	Strand	+
Start	1	End	1479
Name	OJ000250_64.0419.C34.o1.gs	Method	GENSCAN
Start	34	End	945
GI	none	Score	.52
Exons	34..945		

Seq. No.	57149	Seq. ID	OJ000250_64.0419.C35
Gene No.	119723	Strand	+
Start	1	End	920
Name	OJ000250_64.0419.C35.o1.np	Method	AAT/NAP
Start	1	End	902
GI	4544372	Score	491
Exons	1..902		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	57149	Seq. ID	OJ000250_64.0419.C35
Gene No.	119723	Strand	+
Start	1	End	920
Name	OJ000250_64.0419.C35.o1.gs	Method	GENSCAN
Start	10	End	765
GI	none	Score	.8
Exons	10..525, 552..765		

Seq. No.	57150	Seq. ID	OJ000250_64.0419.C36
Gene No.	119724	Strand	+
Start	40	End	330
Name	OJ000250_64.0419.C36.o1.gs	Method	GENSCAN
Start	40	End	330
GI	none	Score	.4
Exons	40..330		

Seq. No.	57150	Seq. ID	OJ000250_64.0419.C36
Gene No.	119725	Strand	-
Start	2524	End	2687
Name	OJ000250_64.0419.C36.o1.np	Method	AAT/NAP
Start	2524	End	2687
GI	4416302	Score	127
Exons	2524..2687		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	57151	Seq. ID	OJ000250_64.0419.C43
Gene No.	119726	Strand	+
Start	502	End	714
Name	OJ000250_64.0419.C43.o1.gs	Method	GENSCAN

Start	502	End	714
GI	none	Score	.9
Exons	502..714		

Seq. No.	57151	Seq. ID	OJ000250_64.0419.C43
Gene No.	119727	Strand	-
Start	1266	End	4746
Name	OJ000250_64.0419.C43.o2.gs	Method	GENSCAN
Start	1266	End	4697
GI	none	Score	.53
Exons	1266..2227, 2314..3146, 4400..4697		

Seq. No.	57151	Seq. ID	OJ000250_64.0419.C43
Gene No.	119727	Strand	-
Start	1266	End	4746
Name	OJ000250_64.0419.C43.o1.np	Method	AAT/NAP
Start	1588	End	4746
GI	7248394	Score	1361
Exons	1588..1627, 2951..4746		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	57152	Seq. ID	OJ000250_64.0419.C54
Gene No.	119728	Strand	+
Start	494	End	1072
Name	OJ000250_64.0419.C54.o1.np	Method	AAT/NAP
Start	494	End	1072
GI	6721560	Score	145
Exons	494..662, 821..1072		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815085|dbj|BAA90371.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	57153	Seq. ID	OJ000250_64.0419.C57
Gene No.	119729	Strand	+
Start	1	End	118
Name	OJ000250_64.0419.C57.o1.np	Method	AAT/NAP
Start	1	End	118
GI	7340920	Score	150
Exons	1..118		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	57153	Seq. ID	OJ000250_64.0419.C57
Gene No.	119730	Strand	-
Start	851	End	952
Name	OJ000250_64.0419.C57.o2.np	Method	AAT/NAP
Start	851	End	952
GI	7340905	Score	125
Exons	851..952		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	57154	Seq. ID	OJ000250_64.0419.C58
Gene No.	119731	Strand	+
Start	1	End	4063

Name	OJ000250_64.0419.C58.o1.np	Method	AAT/NAP
Start	1	End	1762
GI	6721512	Score	73
Exons	1..146, 174..309, 352..467, 1693..1762		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	57154	Seq. ID	OJ000250_64.0419.C58
Gene No.	119731	Strand	+
Start	1	End	4063
Name	OJ000250_64.0419.C58.o1.gs	Method	GENSCAN
Start	999	End	4063
GI	none	Score	.9
Exons	999..1081, 1256..1398, 1633..1719, 1801..1925, 1994..2188, 2259..2317, 2446..3159, 3296..3392, 3542..4063		

Seq. No.	57154	Seq. ID	OJ000250_64.0419.C58
Gene No.	119731	Strand	+
Start	1	End	4063
Name	OJ000250_64.0419.C58.o3.np	Method	AAT/NAP
Start	1688	End	3160
GI	6721561	Score	1040
Exons	1688..1756, 1994..2188, 2259..2317, 2398..3160		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57154	Seq. ID	OJ000250_64.0419.C58
Gene No.	119732	Strand	-
Start	1	End	539
Name	OJ000250_64.0419.C58.o2.np	Method	AAT/NAP
Start	1	End	539
GI	7523517	Score	202
Exons	1..83, 228..539		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	57154	Seq. ID	OJ000250_64.0419.C58
Gene No.	119733	Strand	-
Start	4676	End	5354
Name	OJ000250_64.0419.C58.o2.gs	Method	GENSCAN
Start	4676	End	5242
GI	none	Score	.86
Exons	4676..5056, 5120..5242		

Seq. No.	57154	Seq. ID	OJ000250_64.0419.C58
Gene No.	119733	Strand	-
Start	4676	End	5354
Name	OJ000250_64.0419.C58.o4.np	Method	AAT/NAP
Start	4679	End	5354
GI	7228457	Score	639
Exons	4679..5354		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	57155	Seq. ID	OJ000250_64.0419.C59

Gene No.	119734	Strand	-
Start	1	End	2000
Name	OJ000250_64.0419.C59.o1.np	Method	AAT/NAP
Start	1	End	2000
GI	5902445	Score	1873
Exons	1..182, 215..2000		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	57155	Seq. ID	OJ000250_64.0419.C59
Gene No.	119734	Strand	-
Start	1	End	2000
Name	OJ000250_64.0419.C59.o1.gs	Method	GENSCAN
Start	20	End	1810
GI	none	Score	.76
Exons	20..266, 320..1316, 1416..1810		

Seq. No.	57155	Seq. ID	OJ000250_64.0419.C59
Gene No.	119735	Strand	-
Start	2064	End	3260
Name	OJ000250_64.0419.C59.o2.gs	Method	GENSCAN
Start	2064	End	2552
GI	none	Score	.99
Exons	2064..2552		

Seq. No.	57155	Seq. ID	OJ000250_64.0419.C59
Gene No.	119735	Strand	-
Start	2064	End	3260
Name	OJ000250_64.0419.C59.o2.np	Method	AAT/NAP
Start	2067	End	3260
GI	5902444	Score	398
Exons	2067..2639, 3220..3260		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	57156	Seq. ID	OJ000250_64.0419.C60
Gene No.	119736	Strand	-
Start	1	End	2737
Name	OJ000250_64.0419.C60.o1.np	Method	AAT/NAP
Start	1	End	1983
GI	6498436	Score	447
Exons	1..138, 238..744, 793..852, 1866..1983		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	57156	Seq. ID	OJ000250_64.0419.C60
Gene No.	119736	Strand	-
Start	1	End	2737
Name	OJ000250_64.0419.C60.o2.np	Method	AAT/NAP
Start	1	End	1589
GI	6705984	Score	432
Exons	1..84, 1126..1589		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	57156	Seq. ID	OJ000250_64.0419.C60
Gene No.	119736	Strand	-
Start	1	End	2737
Name	OJ000250_64.0419.C60.o3.np	Method	AAT/NAP
Start	893	End	2737
GI	6721562	Score	416

Exons	893..936, 1954..2737
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]

Seq. No.	57157	Seq. ID	OJ000250_64.0419.C61
Gene No.	119737	Strand	+
Start	1	End	2776
Name	OJ000250_64.0419.C61.o1.np	Method	AAT/NAP
Start	1	End	2776
GI	6721512	Score	64
Exons	1..116, 1057..1160, 1188..1334, 1472..1543, 2743..2776		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	57157	Seq. ID	OJ000250_64.0419.C61
Gene No.	119737	Strand	+
Start	1	End	2776
Name	OJ000250_64.0419.C61.o2.gs	Method	GENSCAN
Start	2110	End	2713
GI	none	Score	.82
Exons	2110..2180, 2402..2528, 2564..2713		

Seq. No.	57157	Seq. ID	OJ000250_64.0419.C61
Gene No.	119738	Strand	-
Start	1	End	1552
Name	OJ000250_64.0419.C61.o2.np	Method	AAT/NAP
Start	1	End	1552
GI	7523517	Score	201
Exons	1..32, 1208..1552		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	57157	Seq. ID	OJ000250_64.0419.C61
Gene No.	119738	Strand	-
Start	1	End	1552
Name	OJ000250_64.0419.C61.o1.gs	Method	GENSCAN
Start	26	End	1113
GI	none	Score	.82
Exons	26..443, 619..1113		

Seq. No.	57158	Seq. ID	OJ000250_64.0419.C62
Gene No.	119740	Strand	-
Start	754	End	1305
Name	OJ000250_64.0419.C62.o1.gs	Method	GENSCAN
Start	754	End	1305
GI	none	Score	.75
Exons	754..1305		

Seq. No.	57159	Seq. ID	OJ000250_64.0419.C63
Gene No.	119741	Strand	+
Start	2489	End	6050
Name	OJ000250_64.0419.C63.o1.gs	Method	GENSCAN
Start	2489	End	3923
GI	none	Score	.43
Exons	2489..2624, 3535..3923		

Seq. No.	57159	Seq. ID	OJ000250_64.0419.C63
Gene No.	119741	Strand	+
Start	2489	End	6050
Name	OJ000250_64.0419.C63.o1.gp	Method	AAT/GAP
Start	2528	End	4034
GI	44750_1.R1084	Score	986
Exons	2528..2624, 3535..3911, 3992..4034		
GI Descrip.	'1657619 4.0e-18 (U72504) G5p [Arabidopsis thaliana] >gi_3068710 (AF049236) putative transmembrane protein G5p [Arabidopsis thaliana]'		

Seq. No.	57159	Seq. ID	OJ000250_64.0419.C63
Gene No.	119741	Strand	+
Start	2489	End	6050
Name	OJ000250_64.0419.C63.o1.np	Method	AAT/NAP
Start	3555	End	6050
GI	6572067	Score	416
Exons	3555..3911, 3992..4083, 4239..4296, 5706..6050		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		

Seq. No.	57159	Seq. ID	OJ000250_64.0419.C63
Gene No.	119742	Strand	-
Start	4775	End	5012
Name	OJ000250_64.0419.C63.o1.tm	Method	TBLASTX:Maize
Start	3527	End	4084
GI	none	Score	462
Exons	3527..3910, 3534..3911, 3556..3912, 3989..4039, 4010..4084, 4022..4084		

Seq. No.	57159	Seq. ID	OJ000250_64.0419.C63
Gene No.	119742	Strand	-
Start	4775	End	5012
Name	OJ000250_64.0419.C63.o1.tw	Method	TBLASTX:Wheat
Start	3527	End	3727
GI	none	Score	215
Exons	3527..3727, 3534..3725		

Seq. No.	57159	Seq. ID	OJ000250_64.0419.C63
Gene No.	119742	Strand	-
Start	4775	End	5012
Name	OJ000250_64.0419.C63.o1.ts	Method	TBLASTX:Soybean
Start	3578	End	4075
GI	none	Score	309
Exons	3578..3886, 3579..3911, 3989..4075		

Seq. No.	57159	Seq. ID	OJ000250_64.0419.C63
Gene No.	119742	Strand	-
Start	4775	End	5012
Name	OJ000250_64.0419.C63.o1.tc	Method	TBLASTX:Cress
Start	3579	End	3863
GI	none	Score	255
Exons	3579..3863, 3581..3862		

Seq. No.	57159	Seq. ID	OJ000250_64.0419.C63
Gene No.	119742	Strand	-
Start	4775	End	5012
Name	OJ000250_64.0419.C63.o2.tm	Method	TBLASTX:Maize

Start	4754	End	5012
GI	none	Score	69
Exons	4754..5011, 4868..4969, 4869..5012		

Seq. No.	57159	Seq. ID	OJ000250_64.0419.C63
Gene No.	119742	Strand	-
Start	4775	End	5012
Name	OJ000250_64.0419.C63.o2.gs	Method	GENSCAN
Start	4775	End	4873
GI	none	Score	.63
Exons	4775..4873		

Seq. No.	57160	Seq. ID	OJ000250_64.0419.C65
Gene No.	119743	Strand	+
Start	1	End	1081
Name	OJ000250_64.0419.C65.o1.np	Method	AAT/NAP
Start	1	End	1081
GI	5042463	Score	103
Exons	1..76, 304..515, 1047..1081		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	57160	Seq. ID	OJ000250_64.0419.C65
Gene No.	119744	Strand	-
Start	126	End	220
Name	OJ000250_64.0419.C65.o1.gs	Method	GENSCAN
Start	126	End	220
GI	none	Score	.78
Exons	126..220		

Seq. No.	57161	Seq. ID	OJ000250_64.0419.C68
Gene No.	119745	Strand	-
Start	211	End	836
Name	OJ000250_64.0419.C68.o1.gs	Method	GENSCAN
Start	211	End	823
GI	none	Score	.94
Exons	211..307, 444..823		

Seq. No.	57161	Seq. ID	OJ000250_64.0419.C68
Gene No.	119745	Strand	-
Start	211	End	836
Name	OJ000250_64.0419.C68.o1.np	Method	AAT/NAP
Start	443	End	836
GI	6721561	Score	431
Exons	443..836		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57162	Seq. ID	OJ000250_64.0419.C72
Gene No.	119746	Strand	+
Start	52	End	214
Name	OJ000250_64.0419.C72.o1.gs	Method	GENSCAN
Start	52	End	214
GI	none	Score	.9
Exons	52..214		

Seq. No.	57163	Seq. ID	OJ000250_64.0419.C73
Gene No.	119747	Strand	+
Start	476	End	617
Name	OJ000250_64.0419.C73.o1.gs	Method	GENSCAN
Start	476	End	617
GI	none	Score	.45
Exons	476..532, 555..617		

Seq. No.	57164	Seq. ID	OJ000250_64.0419.C74
Gene No.	119748	Strand	+
Start	1	End	2974
Name	OJ000250_64.0419.C74.o1.np	Method	AAT/NAP
Start	1	End	2974
GI	4680186	Score	283
Exons	1..114, 1880..1928, 2769..2974		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	57164	Seq. ID	OJ000250_64.0419.C74
Gene No.	119748	Strand	+
Start	1	End	2974
Name	OJ000250_64.0419.C74.o2.gs	Method	GENSCAN
Start	1213	End	2922
GI	none	Score	.72
Exons	1213..1303, 1350..1480, 2769..2922		

Seq. No.	57164	Seq. ID	OJ000250_64.0419.C74
Gene No.	119749	Strand	-
Start	2521	End	2902
Name	OJ000250_64.0419.C74.o1.gp	Method	AAT/GAP
Start	2521	End	2902
GI	uC-osflcyp033a04b1	Score	651
Exons	2521..2902		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	57165	Seq. ID	OJ000250_64.0419.C75
Gene No.	119750	Strand	-
Start	157	End	2540
Name	OJ000250_64.0419.C75.o1.gs	Method	GENSCAN
Start	157	End	2161
GI	none	Score	.6
Exons	157..242, 538..976, 1992..2046, 2115..2161		

Seq. No.	57165	Seq. ID	OJ000250_64.0419.C75
Gene No.	119750	Strand	-
Start	157	End	2540
Name	OJ000250_64.0419.C75.o2.tw	Method	TBLASTX:Wheat
Start	1787	End	1963
GI	none	Score	112
Exons	1787..1963, 1791..1919, 1804..1947		

Seq. No.	57165	Seq. ID	OJ000250_64.0419.C75
Gene No.	119750	Strand	-
Start	157	End	2540
Name	OJ000250_64.0419.C75.o1.np	Method	AAT/NAP
Start	1791	End	2540

GI	2443320	Score	808
Exons	1791..2540		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	57165	Seq. ID	OJ000250_64.0419.C75
Gene No.	119750	Strand	-
Start	157	End	2540
Name	OJ000250_64.0419.C75.o1.tw	Method	TBLASTX:Wheat
Start	2141	End	2412
GI	none	Score	122
Exons	2141..2281, 2157..2297, 2280..2411, 2281..2412		

Seq. No.	57166	Seq. ID	OJ000250_64.0419.C76
Gene No.	119751	Strand	+
Start	1	End	109
Name	OJ000250_64.0419.C76.o1.np	Method	AAT/NAP
Start	1	End	109
GI	6983860	Score	154
Exons	1..109		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	57166	Seq. ID	OJ000250_64.0419.C76
Gene No.	119752	Strand	-
Start	28	End	155
Name	OJ000250_64.0419.C76.o1.gs	Method	GENSCAN
Start	28	End	155
GI	none	Score	.6
Exons	28..155		

Seq. No.	57167	Seq. ID	OJ000250_64.0419.C77
Gene No.	119754	Strand	-
Start	658	End	1169
Name	OJ000250_64.0419.C77.o1.np	Method	AAT/NAP
Start	658	End	1169
GI	4680186	Score	335
Exons	658..884, 1012..1169		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	57167	Seq. ID	OJ000250_64.0419.C77
Gene No.	119754	Strand	-
Start	658	End	1169
Name	OJ000250_64.0419.C77.o2.np	Method	AAT/NAP
Start	951	End	1169
GI	5852180	Score	44
Exons	951..1026, 1079..1169		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	57168	Seq. ID	OJ000250_64.0419.C78
Gene No.	119755	Strand	+
Start	519	End	1328
Name	OJ000250_64.0419.C78.o1.gs	Method	GENSCAN
Start	519	End	1328
GI	none	Score	.93
Exons	519..1328		

Seq. No.	57169	Seq. ID	OJ000250_64.0419.C79

Gene No.	119756	Strand	+
Start	1	End	1938
Name	OJ000250_64.0419.C79.o1.np	Method	AAT/NAP
Start	1	End	1938
GI	4680179	Score	1787
Exons	1..962, 996..1938		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	57169	Seq. ID	OJ000250_64.0419.C79
Gene No.	119756	Strand	+
Start	1	End	1938
Name	OJ000250_64.0419.C79.o1.gs	Method	GENSCAN
Start	42	End	1830
GI	none	Score	.65
Exons	42..268, 365..831, 881..999, 1005..1074, 1441..1830		

Seq. No.	57170	Seq. ID	OJ000250_64.0419.C80
Gene No.	119757	Strand	+
Start	1	End	1125
Name	OJ000250_64.0419.C80.o1.np	Method	AAT/NAP
Start	1	End	1125
GI	5922631	Score	70
Exons	1..87, 653..907, 1034..1125		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	57170	Seq. ID	OJ000250_64.0419.C80
Gene No.	119757	Strand	+
Start	1	End	1125
Name	OJ000250_64.0419.C80.o1.gs	Method	GENSCAN
Start	423	End	647
GI	none	Score	.87
Exons	423..647		

Seq. No.	57171	Seq. ID	OJ000250_64.0419.C82
Gene No.	119758	Strand	+
Start	578	End	783
Name	OJ000250_64.0419.C82.o1.gs	Method	GENSCAN
Start	578	End	783
GI	none	Score	.85
Exons	578..783		

Seq. No.	57171	Seq. ID	OJ000250_64.0419.C82
Gene No.	119759	Strand	-
Start	473	End	802
Name	OJ000250_64.0419.C82.o1.np	Method	AAT/NAP
Start	473	End	802
GI	5295955	Score	89
Exons	473..802		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	57172	Seq. ID	OJ000250_64.0419.C83
Gene No.	119760	Strand	-
Start	1	End	2881
Name	OJ000250_64.0419.C83.o1.np	Method	AAT/NAP
Start	1	End	2881
GI	7228457	Score	918
Exons	1..30, 812..867, 931..1982, 2855..2881		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	57172	Seq. ID	OJ000250_64.0419.C83
Gene No.	119760	Strand	-
Start	1	End	2881
Name	OJ000250_64.0419.C83.o1.tw	Method	TBLASTX:Wheat
Start	807	End	1401
GI	none	Score	65
Exons	807..875, 808..942, 808..918, 1021..1401, 1022..1315		

Seq. No.	57173	Seq. ID	OJ000250_64.0419.C84
Gene No.	119761	Strand	+
Start	336	End	761
Name	OJ000250_64.0419.C84.o1.gs	Method	GENSCAN
Start	336	End	761
GI	none	Score	.73
Exons	336..372, 664..761		

Seq. No.	57174	Seq. ID	OJ000250_64.0419.C86
Gene No.	119762	Strand	+
Start	1	End	1325
Name	OJ000250_64.0419.C86.o1.np	Method	AAT/NAP
Start	1	End	1325
GI	7248395	Score	183
Exons	1..54, 1120..1325		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	57175	Seq. ID	OJ000250_64.0419.C87
Gene No.	119763	Strand	+
Start	56	End	282
Name	OJ000250_64.0419.C87.o1.gs	Method	GENSCAN
Start	56	End	282
GI	none	Score	.88
Exons	56..282		

Seq. No.	57176	Seq. ID	OJ000250_64.0419.C88
Gene No.	119764	Strand	+
Start	640	End	1520
Name	OJ000250_64.0419.C88.o1.gs	Method	GENSCAN
Start	640	End	1520
GI	none	Score	.58
Exons	640..872, 1283..1520		

Seq. No.	57176	Seq. ID	OJ000250_64.0419.C88
Gene No.	119764	Strand	+
Start	640	End	1520
Name	OJ000250_64.0419.C88.o1.gp	Method	AAT/GAP
Start	1299	End	1409

GI	uC-osflcyp088b12b1	Score	147
Exons	1299..1409		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	57176	Seq. ID	OJ000250_64.0419.C88
Gene No.	119765	Strand	-
Start	1	End	1997
Name	OJ000250_64.0419.C88.o1.np	Method	AAT/NAP
Start	1	End	1997
GI	6721561	Score	97
Exons	1..66, 1889..1997		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57177	Seq. ID	OJ000250_64.0419.C90
Gene No.	119767	Strand	+
Start	765	End	1071
Name	OJ000250_64.0419.C90.o1.gs	Method	GENSCAN
Start	765	End	1071
GI	none	Score	.65
Exons	765..860, 927..1071		

Seq. No.	57178	Seq. ID	OJ000250_64.0419.C91
Gene No.	119768	Strand	+
Start	154	End	2778
Name	OJ000250_64.0419.C91.o1.gs	Method	GENSCAN
Start	154	End	2778
GI	none	Score	.61
Exons	154..295, 533..664, 1188..1627, 1706..2128, 2204..2263, 2362..2445, 2524..2778		

Seq. No.	57179	Seq. ID	OJ000250_64.0419.C95
Gene No.	119769	Strand	-
Start	246	End	1348
Name	OJ000250_64.0419.C95.o1.gs	Method	GENSCAN
Start	246	End	1348
GI	none	Score	.74
Exons	246..416, 507..1348		

Seq. No.	57179	Seq. ID	OJ000250_64.0419.C95
Gene No.	119770	Strand	-
Start	1682	End	3710
Name	OJ000250_64.0419.C95.o2.gs	Method	GENSCAN
Start	1682	End	3710
GI	none	Score	.68
Exons	1682..1918, 1997..2728, 3318..3710		

Seq. No.	57180	Seq. ID	OJ000250_64.0419.C97
Gene No.	119771	Strand	-
Start	353	End	739
Name	OJ000250_64.0419.C97.o1.gs	Method	GENSCAN
Start	353	End	739
GI	none	Score	.77

Exons	353..469, 555..739		
Seq. No.	57181	Seq. ID	OJ000250_64.0419.C104
Gene No.	119772	Strand	+
Start	158	End	419
Name	OJ000250_64.0419.C104.o1.gs	Method	GENSCAN
Start	158	End	419
GI	none	Score	.89
Exons	158..307, 354..419		
Seq. No.	57181	Seq. ID	OJ000250_64.0419.C104
Gene No.	119773	Strand	-
Start	669	End	1012
Name	OJ000250_64.0419.C104.o2.gs	Method	GENSCAN
Start	669	End	1012
GI	none	Score	.53
Exons	669..1012		
Seq. No.	57182	Seq. ID	OJ000250_64.0419.C107
Gene No.	119774	Strand	-
Start	114	End	815
Name	OJ000250_64.0419.C107.o1.ts	Method	TBLASTX:Soybean
Start	108	End	815
GI	none	Score	143
Exons	108..290, 111..290, 113..292, 702..815		
Seq. No.	57182	Seq. ID	OJ000250_64.0419.C107
Gene No.	119774	Strand	-
Start	114	End	815
Name	OJ000250_64.0419.C107.o1.gs	Method	GENSCAN
Start	114	End	782
GI	none	Score	.96
Exons	114..289, 729..782		
Seq. No.	57182	Seq. ID	OJ000250_64.0419.C107
Gene No.	119774	Strand	-
Start	114	End	815
Name	OJ000250_64.0419.C107.o1.tm	Method	TBLASTX:Maize
Start	114	End	815
GI	none	Score	217
Exons	114..293, 114..290, 115..291, 717..809, 727..813	116..292, 122..298, 705..815,	
Seq. No.	57183	Seq. ID	OJ000250_64.0419.C108
Gene No.	119775	Strand	-
Start	3408	End	14732
Name	OJ000250_64.0419.C108.o1.np	Method	AAT/NAP
Start	983	End	14732
GI	3043678	Score	448
Exons	983..1080, 3689..3775, 4232..4382, 4824..4904, 6261..6368, 6443..6604, 10570..10662, 12017..12231, 12362..12448, 13212..13303, 14593..14732		
GI Descrip.	(AB011149) KIAA0577 protein [Homo sapiens]		
Seq. No.	57183	Seq. ID	OJ000250_64.0419.C108
Gene No.	119775	Strand	-
Start	3408	End	14732

Name	OJ000250_64.0419.C108.o1.tm	Method	TBLASTX:Maize
Start	3405	End	10690
GI	none	Score	97
Exons	3405..3521, 3405..3521, 3406..3522, 3523..3564, 3643..3822, 3643..3819, 3645..3824, 3651..3827, 4236..4418, 4248..4418, 4258..4419, 4258..4419, 4833..4910, 4833..4910, 4834..4911, 6258..6395, 6258..6395, 6259..6405, 6259..6405, 6480..6608, 6481..6639, 10563..10643, 10571..10690, 10572..10649		

Seq. No.	57183	Seq. ID	OJ000250_64.0419.C108
Gene No.	119775	Strand	-
Start	3408	End	14732
Name	OJ000250_64.0419.C108.o1.gs	Method	GENSCAN
Start	3408	End	14694
GI	none	Score	.61
Exons	3408..3546, 3643..3818, 4260..4417, 4835..4904, 6261..6402, 6481..6576, 6654..6797, 7537..7663, 9456..9593, 10570..10662, 12017..12231, 12362..12448, 13212..13303, 14593..14694		

Seq. No.	57183	Seq. ID	OJ000250_64.0419.C108
Gene No.	119775	Strand	-
Start	3408	End	14732
Name	OJ000250_64.0419.C108.o2.ts	Method	TBLASTX:Soybean
Start	3637	End	4394
GI	none	Score	152
Exons	3637..3819, 3640..3819, 3642..3824, 4233..4394, 4289..4372		

Seq. No.	57183	Seq. ID	OJ000250_64.0419.C108
Gene No.	119775	Strand	-
Start	3408	End	14732
Name	OJ000250_64.0419.C108.o1.tc	Method	TBLASTX:Cress
Start	4792	End	6608
GI	none	Score	65
Exons	4792..4908, 4813..4908, 4830..4910, 4836..4919, 6258..6368, 6259..6366, 6481..6606, 6483..6608		

Seq. No.	57183	Seq. ID	OJ000250_64.0419.C108
Gene No.	119775	Strand	-
Start	3408	End	14732
Name	OJ000250_64.0419.C108.o1.ts	Method	TBLASTX:Soybean
Start	6258	End	13304
GI	none	Score	67
Exons	6258..6365, 6258..6386, 6480..6608, 6488..6544, 6496..6609, 10571..10669, 10572..10670, 12018..12239, 12019..12240, 12037..12240, 12361..12447, 12362..12445, 12362..12448, 13208..13297, 13209..13304, 13209..13289, 13211..13300		

Seq. No.	57183	Seq. ID	OJ000250_64.0419.C108
Gene No.	119775	Strand	-
Start	3408	End	14732
Name	OJ000250_64.0419.C108.o2.tm	Method	TBLASTX:Maize
Start	12145	End	13306
GI	none	Score	129
Exons	12145..12240, 12147..12239, 12361..12450, 12362..12448, 13199..13306, 13199..13303		

Seq. No.	57184	Seq. ID	OJ000250_64.0419.C109

Gene No.	119776	Strand	-
Start	477	End	2069
Name	OJ000250_64.0419.C109.o1.gs	Method	GENSCAN
Start	477	End	2069
GI	none	Score	.96
Exons	477..593, 1172..1224, 2015..2069		

Seq. No.	57185	Seq. ID	OJ000250_64.0419.C110
Gene No.	119777	Strand	+
Start	137	End	1448
Name	OJ000250_64.0419.C110.o1.gs	Method	GENSCAN
Start	137	End	1448
GI	none	Score	.85
Exons	137..153, 534..604, 1294..1448		

Seq. No.	57185	Seq. ID	OJ000250_64.0419.C110
Gene No.	119778	Strand	-
Start	1	End	3319
Name	OJ000250_64.0419.C110.o1.np	Method	AAT/NAP
Start	1	End	3319
GI	3024898	Score	409
Exons	1..110, 1225..1442, 2272..2376, 2456..2548, 3120..3319		
GI Descrip.	PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE PRP16 (KIAA0224) (HA4657) gi|1504028|dbj|BAA13213| (D86977) similar to putative ATP-dependent RNA helicase K03H1.2 of C.elegans(S41025) [Homo sapiens] gi|3123906 (AF038391) pre-mRNA splicing factor [Homo sapiens]		

Seq. No.	57185	Seq. ID	OJ000250_64.0419.C110
Gene No.	119779	Strand	-
Start	4196	End	4430
Name	OJ000250_64.0419.C110.o1.tm	Method	TBLASTX:Maize
Start	2271	End	3310
GI	none	Score	50
Exons	2271..2324, 2307..2384, 2311..2385, 2437..2562, 2438..2551, 3119..3310, 3120..3272		

Seq. No.	57185	Seq. ID	OJ000250_64.0419.C110
Gene No.	119779	Strand	-
Start	4196	End	4430
Name	OJ000250_64.0419.C110.o1.ts	Method	TBLASTX:Soybean
Start	2271	End	2562
GI	none	Score	54
Exons	2271..2384, 2287..2385, 2437..2562, 2441..2527, 2470..2556		

Seq. No.	57185	Seq. ID	OJ000250_64.0419.C110
Gene No.	119779	Strand	-
Start	4196	End	4430
Name	OJ000250_64.0419.C110.o2.tc	Method	TBLASTX:Cress
Start	2277	End	2562
GI	none	Score	51
Exons	2277..2384, 2278..2376, 2437..2562, 2441..2545		

Seq. No.	57185	Seq. ID	OJ000250_64.0419.C110
Gene No.	119779	Strand	-
Start	4196	End	4430
Name	OJ000250_64.0419.C110.o1.tc	Method	TBLASTX:Cress

Start	3119	End	3310
GI	none	Score	150
Exons	3119..3310, 3120..3278		

Seq. No.	57185	Seq. ID	OJ000250_64.0419.C110
Gene No.	119779	Strand	-
Start	4196	End	4430
Name	OJ000250_64.0419.C110.o2.ts	Method	TBLASTX:Soybean
Start	3119	End	3310
GI	none	Score	87
Exons	3119..3310, 3126..3275		

Seq. No.	57185	Seq. ID	OJ000250_64.0419.C110
Gene No.	119779	Strand	-
Start	4196	End	4430
Name	OJ000250_64.0419.C110.o2.np	Method	AAT/NAP
Start	4196	End	4401
GI	7529720	Score	108
Exons	4196..4401		
GI Descrip.	(AL132969) peroxiredoxin-like protein [Arabidopsis thaliana]		

Seq. No.	57185	Seq. ID	OJ000250_64.0419.C110
Gene No.	119779	Strand	-
Start	4196	End	4430
Name	OJ000250_64.0419.C110.o2.tm	Method	TBLASTX:Maize
Start	4255	End	4430
GI	none	Score	140
Exons	4255..4377, 4266..4430, 4266..4397		

Seq. No.	57186	Seq. ID	OJ000250_64.0419.C111
Gene No.	119780	Strand	+
Start	2699	End	5463
Name	OJ000250_64.0419.C111.o2.np	Method	AAT/NAP
Start	2699	End	5463
GI	7489554	Score	51
Exons	2699..2727, 4113..4204, 5353..5463		
GI Descrip.	probable ribosomal protein S11, mitochondrial - rice gi|1841357|dbj|BAA12798.1| (D85382) mitochondrial ribosomal protein S11 (nuclear encoded) [Oryza sativa]		

Seq. No.	57186	Seq. ID	OJ000250_64.0419.C111
Gene No.	119781	Strand	-
Start	1667	End	8809
Name	OJ000250_64.0419.C111.o1.np	Method	AAT/NAP
Start	1667	End	3755
GI	6561612	Score	145
Exons	1667..1695, 3590..3755		
GI Descrip.	(AF197624) ATPase alpha subunit [Zamia floridana]		

Seq. No.	57186	Seq. ID	OJ000250_64.0419.C111
Gene No.	119781	Strand	-
Start	1667	End	8809
Name	OJ000250_64.0419.C111.o3.np	Method	AAT/NAP
Start	2886	End	8809
GI	7489611	Score	40
Exons	2886..2932, 3566..3666, 5253..5323, 8748..8809		
GI Descrip.	hypothetical protein 483 - rice mitochondrion		

gi|769721|dbj|BAA06825.1| (D32052) ORF483 [Oryza sativa]

Seq. No.	57186	Seq. ID	OJ000250_64.0419.C111
Gene No.	119781	Strand	-
Start	1667	End	8809
Name	OJ000250_64.0419.C111.o2.gs	Method	GENSCAN
Start	3539	End	6831
GI	none	Score	.52
Exons	3539..3557, 3799..3871, 4030..4152, 6580..6706, 6796..6831		

Seq. No.	57186	Seq. ID	OJ000250_64.0419.C111
Gene No.	119781	Strand	-
Start	1667	End	8809
Name	OJ000250_64.0419.C111.o4.np	Method	AAT/NAP
Start	5997	End	8809
GI	439277	Score	91
Exons	5997..6066, 7255..7470, 8768..8809		
GI Descrip.	(X69205) ORF589 [Triticum aestivum]		

Seq. No.	57186	Seq. ID	OJ000250_64.0419.C111
Gene No.	119781	Strand	-
Start	1667	End	8809
Name	OJ000250_64.0419.C111.o5.np	Method	AAT/NAP
Start	6194	End	7934
GI	6094106	Score	74
Exons	6194..6223, 7858..7934		
GI Descrip.	MITOCHONDRIAL 60S RIBOSOMAL PROTEIN L2		

Seq. No.	57186	Seq. ID	OJ000250_64.0419.C111
Gene No.	119781	Strand	-
Start	1667	End	8809
Name	OJ000250_64.0419.C111.o6.np	Method	AAT/NAP
Start	7997	End	8599
GI	2500452	Score	45
Exons	7997..8271, 8483..8599		
GI Descrip.	MITOCHONDRIAL RIBOSOMAL PROTEIN S12		

Seq. No.	57187	Seq. ID	OJ000250_64.0419.C112
Gene No.	119783	Strand	-
Start	1	End	858
Name	OJ000250_64.0419.C112.o1.np	Method	AAT/NAP
Start	1	End	858
GI	7440172	Score	123
Exons	1..148, 517..632, 753..858		
GI Descrip.	ribosomal protein S4 - rice mitochondrion gi|3025870|gb|AAC26506.1| (AF055706) ribosomal protein S4 [Oryza sativa]		

Seq. No.	57188	Seq. ID	OJ000250_64.0419.C126
Gene No.	119784	Strand	+
Start	533	End	1041
Name	OJ000250_64.0419.C126.o1.np	Method	AAT/NAP
Start	533	End	1041
GI	7106512	Score	85
Exons	533..592, 666..712, 951..1041		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57188	Seq. ID	OJ000250_64.0419.C126
Gene No.	119784	Strand	+
Start	533	End	1041
Name	OJ000250_64.0419.C126.o1.gs	Method	GENSCAN
Start	666	End	945
GI	none	Score	.62
Exons	666..762, 865..945		

Seq. No.	57189	Seq. ID	OJ000250_64.0419.C128
Gene No.	119785	Strand	-
Start	226	End	1243
Name	OJ000250_64.0419.C128.o1.gs	Method	GENSCAN
Start	226	End	1167
GI	none	Score	.76
Exons	226..764, 948..1167		

Seq. No.	57189	Seq. ID	OJ000250_64.0419.C128
Gene No.	119785	Strand	-
Start	226	End	1243
Name	OJ000250_64.0419.C128.o1.np	Method	AAT/NAP
Start	340	End	1243
GI	7489805	Score	651
Exons	340..1243		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		

Seq. No.	57189	Seq. ID	OJ000250_64.0419.C128
Gene No.	119785	Strand	-
Start	226	End	1243
Name	OJ000250_64.0419.C128.o1.tm	Method	TBLASTX:Maize
Start	341	End	636
GI	none	Score	197
Exons	341..574, 343..636		

Seq. No.	57189	Seq. ID	OJ000250_64.0419.C128
Gene No.	119785	Strand	-
Start	226	End	1243
Name	OJ000250_64.0419.C128.o1.ts	Method	TBLASTX:Soybean
Start	346	End	663
GI	none	Score	98
Exons	346..513, 523..663		

Seq. No.	57189	Seq. ID	OJ000250_64.0419.C128
Gene No.	119785	Strand	-
Start	226	End	1243
Name	OJ000250_64.0419.C128.o1.tw	Method	TBLASTX:Wheat
Start	436	End	825
GI	none	Score	136
Exons	436..636, 661..825		

Seq. No.	57189	Seq. ID	OJ000250_64.0419.C128
Gene No.	119785	Strand	-
Start	226	End	1243
Name	OJ000250_64.0419.C128.o2.tm	Method	TBLASTX:Maize
Start	655	End	933
GI	none	Score	53

Exons	655..933, 664..870		
Seq. No.	57189	Seq. ID	OJ000250_64.0419.C128
Gene No.	119785	Strand	-
Start	226	End	1243
Name	OJ000250_64.0419.C128.o3.tm	Method	TBLASTX:Maize
Start	964	End	1200
GI	none	Score	118
Exons	964..1200, 965..1198		
Seq. No.	57190	Seq. ID	OJ000250_64.0419.C129
Gene No.	119786	Strand	-
Start	1	End	1664
Name	OJ000250_64.0419.C129.o1.np	Method	AAT/NAP
Start	1	End	1664
GI	7489805	Score	1309
Exons	1..1664		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		
Seq. No.	57190	Seq. ID	OJ000250_64.0419.C129
Gene No.	119786	Strand	-
Start	1	End	1664
Name	OJ000250_64.0419.C129.o1.gs	Method	GENSCAN
Start	194	End	1251
GI	none	Score	.42
Exons	194..369, 704..1101, 1174..1251		
Seq. No.	57190	Seq. ID	OJ000250_64.0419.C129
Gene No.	119786	Strand	-
Start	1	End	1664
Name	OJ000250_64.0419.C129.o1.ts	Method	TBLASTX:Soybean
Start	216	End	583
GI	none	Score	59
Exons	216..308, 233..583, 423..566		
Seq. No.	57190	Seq. ID	OJ000250_64.0419.C129
Gene No.	119786	Strand	-
Start	1	End	1664
Name	OJ000250_64.0419.C129.o2.tw	Method	TBLASTX:Wheat
Start	242	End	658
GI	none	Score	115
Exons	242..658, 344..562, 348..608		
Seq. No.	57190	Seq. ID	OJ000250_64.0419.C129
Gene No.	119786	Strand	-
Start	1	End	1664
Name	OJ000250_64.0419.C129.o2.tm	Method	TBLASTX:Maize
Start	335	End	709
GI	none	Score	169
Exons	335..709, 348..608		
Seq. No.	57190	Seq. ID	OJ000250_64.0419.C129
Gene No.	119786	Strand	-
Start	1	End	1664
Name	OJ000250_64.0419.C129.o1.tm	Method	TBLASTX:Maize
Start	742	End	1099

GI	none	Score	216
Exons	742..1098, 743..1099		

Seq. No.	57190	Seq. ID	OJ000250_64.0419.C129
Gene No.	119786	Strand	-
Start	1	End	1664
Name	OJ000250_64.0419.C129.o1.tw	Method	TBLASTX:Wheat
Start	772	End	1227
GI	none	Score	259
Exons	772..1227, 773..1201, 808..1203, 898..984		

Seq. No.	57191	Seq. ID	OJ000250_64.0419.C142
Gene No.	119787	Strand	-
Start	351	End	967
Name	OJ000250_64.0419.C142.o1.gs	Method	GENSCAN
Start	351	End	820
GI	none	Score	.8
Exons	351..533, 680..820		

Seq. No.	57191	Seq. ID	OJ000250_64.0419.C142
Gene No.	119787	Strand	-
Start	351	End	967
Name	OJ000250_64.0419.C142.o1.np	Method	AAT/NAP
Start	381	End	967
GI	6815052	Score	235
Exons	381..484, 775..967		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	57192	Seq. ID	OJ000250_64.0419.C143
Gene No.	119788	Strand	+
Start	290	End	356
Name	OJ000250_64.0419.C143.o1.gs	Method	GENSCAN
Start	290	End	356
GI	none	Score	.64
Exons	290..356		

Seq. No.	57192	Seq. ID	OJ000250_64.0419.C143
Gene No.	119789	Strand	-
Start	719	End	1443
Name	OJ000250_64.0419.C143.o1.np	Method	AAT/NAP
Start	719	End	1443
GI	6721516	Score	267
Exons	719..1058, 1370..1443		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	57193	Seq. ID	OJ000250_64.0419.C144
Gene No.	119790	Strand	+
Start	349	End	475
Name	OJ000250_64.0419.C144.o1.gs	Method	GENSCAN
Start	349	End	475
GI	none	Score	.49
Exons	349..475		

Seq. No.	57193	Seq. ID	OJ000250_64.0419.C144
Gene No.	119791	Strand	-
Start	1	End	799
Name	OJ000250_64.0419.C144.o1.np	Method	AAT/NAP

Start	1	End	799
GI	6721516	Score	336
Exons	1..27, 440..799		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	57194	Seq. ID	OJ000250_64.0419.C145
Gene No.	119792	Strand	-
Start	384	End	731
Name	OJ000250_64.0419.C145.o1.gs	Method	GENSCAN
Start	384	End	731
GI	none	Score	.5
Exons	384..474, 528..731		

Seq. No.	57195	Seq. ID	OJ000250_64.0419.C146
Gene No.	119793	Strand	+
Start	115	End	200
Name	OJ000250_64.0419.C146.o1.gs	Method	GENSCAN
Start	115	End	200
GI	none	Score	.76
Exons	115..200		

Seq. No.	57195	Seq. ID	OJ000250_64.0419.C146
Gene No.	119794	Strand	+
Start	1247	End	5991
Name	OJ000250_64.0419.C146.o4.np	Method	AAT/NAP
Start	1247	End	5991
GI	7489805	Score	1817
Exons	1247..1409, 3568..5991		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		

Seq. No.	57195	Seq. ID	OJ000250_64.0419.C146
Gene No.	119794	Strand	+
Start	1247	End	5991
Name	OJ000250_64.0419.C146.o3.gs	Method	GENSCAN
Start	2603	End	5661
GI	none	Score	.68
Exons	2603..2626, 3214..3251, 3591..3772, 3815..4698, 4990..5134, 5390..5661		

Seq. No.	57195	Seq. ID	OJ000250_64.0419.C146
Gene No.	119795	Strand	-
Start	1	End	3517
Name	OJ000250_64.0419.C146.o1.np	Method	AAT/NAP
Start	1	End	3165
GI	6721517	Score	496
Exons	1..38, 596..1412, 1537..2095, 3133..3165		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	57195	Seq. ID	OJ000250_64.0419.C146
Gene No.	119795	Strand	-
Start	1	End	3517
Name	OJ000250_64.0419.C146.o3.np	Method	AAT/NAP
Start	1	End	2414
GI	4539660	Score	469
Exons	1..32, 594..1550, 1636..2175, 2215..2414		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	57195	Seq. ID	OJ000250_64.0419.C146
Gene No.	119795	Strand	-
Start	1	End	3517
Name	OJ000250_64.0419.C146.o4.tw	Method	TBLASTX:Wheat
Start	640	End	978
GI	none	Score	99
Exons	640..768, 647..766, 820..978, 884..940		

Seq. No.	57195	Seq. ID	OJ000250_64.0419.C146
Gene No.	119795	Strand	-
Start	1	End	3517
Name	OJ000250_64.0419.C146.o2.np	Method	AAT/NAP
Start	1293	End	1467
GI	1780975	Score	29
Exons	1293..1467		
GI Descrip.	(Y10392) gag protein [Human endogenous retrovirus K]		

Seq. No.	57195	Seq. ID	OJ000250_64.0419.C146
Gene No.	119795	Strand	-
Start	1	End	3517
Name	OJ000250_64.0419.C146.o2.gs	Method	GENSCAN
Start	1362	End	2353
GI	none	Score	.54
Exons	1362..1449, 1658..1834, 2166..2353		

Seq. No.	57195	Seq. ID	OJ000250_64.0419.C146
Gene No.	119795	Strand	-
Start	1	End	3517
Name	OJ000250_64.0419.C146.o1.gp	Method	AAT/GAP
Start	2805	End	3517
GI	20494_3.R1084	Score	936
Exons	2805..2838, 2905..3517		
GI Descrip.	'1402876/emb|CAA66826| 2.0e-44 (X98130) putative phosphate permease [Arabidopsis thaliana] >gi_1495255_emb_CAA66116_ (X97484) orf01 [Arabidopsis thaliana]'		

Seq. No.	57195	Seq. ID	OJ000250_64.0419.C146
Gene No.	119796	Strand	
Start	3580	End	4086
Name	OJ000250_64.0419.C146.o1.tm	Method	TBLASTX:Maize
Start	3580	End	3963
GI	none	Score	373
Exons	3580..3963, 3603..3950		

Seq. No.	57195	Seq. ID	OJ000250_64.0419.C146
Gene No.	119796	Strand	
Start	3580	End	4086
Name	OJ000250_64.0419.C146.o1.tw	Method	TBLASTX:Wheat
Start	3636	End	4056
GI	none	Score	87
Exons	3636..3950, 3636..3950, 3637..4056, 3640..3954		

Seq. No.	57195	Seq. ID	OJ000250_64.0419.C146
Gene No.	119796	Strand	
Start	3580	End	4086
Name	OJ000250_64.0419.C146.o1.ts	Method	TBLASTX:Soybean

Start	3682	End	4086
GI	none	Score	263
Exons	3682..4086, 3732..3890		

Seq. No.	57195	Seq. ID	OJ000250_64.0419.C146
Gene No.	119797	Strand	
Start	4333	End	4755
Name	OJ000250_64.0419.C146.o2.tw	Method	TBLASTX:Wheat
Start	4333	End	4755
GI	none	Score	261
Exons	4333..4755, 4335..4550, 4590..4754		

Seq. No.	57195	Seq. ID	OJ000250_64.0419.C146
Gene No.	119798	Strand	
Start	4966	End	5610
Name	OJ000250_64.0419.C146.o3.tm	Method	TBLASTX:Maize
Start	4966	End	5229
GI	none	Score	180
Exons	4966..5229		

Seq. No.	57195	Seq. ID	OJ000250_64.0419.C146
Gene No.	119798	Strand	
Start	4966	End	5610
Name	OJ000250_64.0419.C146.o3.tw	Method	TBLASTX:Wheat
Start	5077	End	5463
GI	none	Score	209
Exons	5077..5463		

Seq. No.	57195	Seq. ID	OJ000250_64.0419.C146
Gene No.	119798	Strand	
Start	4966	End	5610
Name	OJ000250_64.0419.C146.o2.tm	Method	TBLASTX:Maize
Start	5232	End	5595
GI	none	Score	354
Exons	5232..5594, 5233..5595		

Seq. No.	57195	Seq. ID	OJ000250_64.0419.C146
Gene No.	119798	Strand	
Start	4966	End	5610
Name	OJ000250_64.0419.C146.o2.ts	Method	TBLASTX:Soybean
Start	5263	End	5610
GI	none	Score	64
Exons	5263..5379, 5392..5610		

Seq. No.	57196	Seq. ID	OJ000250_64.0419.C147
Gene No.	119799	Strand	-
Start	155	End	948
Name	OJ000250_64.0419.C147.o1.np	Method	AAT/NAP
Start	155	End	948
GI	4512231	Score	1219
Exons	155..948		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	57196	Seq. ID	OJ000250_64.0419.C147
Gene No.	119799	Strand	-
Start	155	End	948
Name	OJ000250_64.0419.C147.o1.gs	Method	GENSCAN

Start	157	End	948
GI	none	Score	.73
Exons	157..479, 485..570, 656..948		

Seq. No.	57197	Seq. ID	OJ000250_64.0419.C150
Gene No.	119800	Strand	-
Start	1	End	826
Name	OJ000250_64.0419.C150.o1.np	Method	AAT/NAP
Start	1	End	826
GI	6630685	Score	955
Exons	1..826		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	57197	Seq. ID	OJ000250_64.0419.C150
Gene No.	119800	Strand	-
Start	1	End	826
Name	OJ000250_64.0419.C150.o1.tc	Method	TBLASTX:Cress
Start	3	End	416
GI	none	Score	198
Exons	3..416		

Seq. No.	57197	Seq. ID	OJ000250_64.0419.C150
Gene No.	119800	Strand	-
Start	1	End	826
Name	OJ000250_64.0419.C150.o1.ts	Method	TBLASTX:Soybean
Start	3	End	461
GI	none	Score	55
Exons	3..461, 52..204, 271..390		

Seq. No.	57197	Seq. ID	OJ000250_64.0419.C150
Gene No.	119800	Strand	-
Start	1	End	826
Name	OJ000250_64.0419.C150.o1.tm	Method	TBLASTX:Maize
Start	3	End	641
GI	none	Score	249
Exons	3..569, 40..387, 451..570, 568..618, 570..641		

Seq. No.	57197	Seq. ID	OJ000250_64.0419.C150
Gene No.	119800	Strand	-
Start	1	End	826
Name	OJ000250_64.0419.C150.o2.tw	Method	TBLASTX:Wheat
Start	3	End	218
GI	none	Score	50
Exons	3..134, 5..124, 6..125, 141..218		

Seq. No.	57197	Seq. ID	OJ000250_64.0419.C150
Gene No.	119800	Strand	-
Start	1	End	826
Name	OJ000250_64.0419.C150.o1.gs	Method	GENSCAN
Start	41	End	698
GI	none	Score	.94
Exons	41..698		

Seq. No.	57197	Seq. ID	OJ000250_64.0419.C150
Gene No.	119800	Strand	-
Start	1	End	826

Name	OJ000250_64.0419.C150.o1.tw	Method	TBLASTX:Wheat
Start	303	End	824
GI	none	Score	138
Exons	303..590, 312..590, 621..797,	630..824	

Seq. No.	57197	Seq. ID	OJ000250_64.0419.C150
Gene No.	119800	Strand	-
Start	1	End	826
Name	OJ000250_64.0419.C150.o2.tm	Method	TBLASTX:Maize
Start	644	End	825
GI	none	Score	113
Exons	644..787, 645..797, 645..824,	646..825	

Seq. No.	57198	Seq. ID	OJ000250_64.0419.C151
Gene No.	119801	Strand	+
Start	717	End	1756
Name	OJ000250_64.0419.C151.o1.np	Method	AAT/NAP
Start	717	End	1756
GI	6498436	Score	891
Exons	717..934, 983..1756		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	57199	Seq. ID	OJ000250_64.0419.C152
Gene No.	119802	Strand	+
Start	155	End	1721
Name	OJ000250_64.0419.C152.o1.np	Method	AAT/NAP
Start	155	End	1587
GI	4378066	Score	585
Exons	155..1066, 1549..1587		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	57199	Seq. ID	OJ000250_64.0419.C152
Gene No.	119802	Strand	+
Start	155	End	1721
Name	OJ000250_64.0419.C152.o1.tw	Method	TBLASTX:Wheat
Start	156	End	575
GI	none	Score	44
Exons	156..224, 249..440, 429..575		

Seq. No.	57199	Seq. ID	OJ000250_64.0419.C152
Gene No.	119802	Strand	+
Start	155	End	1721
Name	OJ000250_64.0419.C152.o1.tm	Method	TBLASTX:Maize
Start	159	End	518
GI	none	Score	386
Exons	159..518, 251..511		

Seq. No.	57199	Seq. ID	OJ000250_64.0419.C152
Gene No.	119802	Strand	+
Start	155	End	1721
Name	OJ000250_64.0419.C152.o1.ts	Method	TBLASTX:Soybean
Start	162	End	536
GI	none	Score	101
Exons	162..305, 194..304, 311..517,	312..536	

Seq. No.	57199	Seq. ID	OJ000250_64.0419.C152
Gene No.	119802	Strand	+
Start	155	End	1721
Name	OJ000250_64.0419.C152.o1.gs	Method	GENSCAN
Start	165	End	1721
GI	none	Score	.84
Exons	165..782, 1404..1721		

Seq. No.	57200	Seq. ID	OJ000250_64.0419.C153
Gene No.	119803	Strand	+
Start	245	End	786
Name	OJ000250_64.0419.C153.o1.np	Method	AAT/NAP
Start	245	End	786
GI	6539585	Score	118
Exons	245..409, 710..786		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	57201	Seq. ID	OJ000250_64.0419.C154
Gene No.	119804	Strand	+
Start	173	End	2513
Name	OJ000250_64.0419.C154.o1.gs	Method	GENSCAN
Start	173	End	2513
GI	none	Score	.41
Exons	173..227, 1587..1651, 1921..2180, 2295..2369, 2458..2513		

Seq. No.	57202	Seq. ID	OJ000250_64.0419.C156
Gene No.	119805	Strand	+
Start	2324	End	3124
Name	OJ000250_64.0419.C156.o1.gs	Method	GENSCAN
Start	2324	End	3124
GI	none	Score	.49
Exons	2324..2368, 2428..2719, 2854..3124		

Seq. No.	57202	Seq. ID	OJ000250_64.0419.C156
Gene No.	119806	Strand	-
Start	340	End	3673
Name	OJ000250_64.0419.C156.o1.np	Method	AAT/NAP
Start	340	End	3673
GI	5902445	Score	327
Exons	340..400, 3281..3673		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	57202	Seq. ID	OJ000250_64.0419.C156
Gene No.	119806	Strand	-
Start	340	End	3673
Name	OJ000250_64.0419.C156.o1.ts	Method	TBLASTX:Soybean
Start	3268	End	3656
GI	none	Score	65
Exons	3268..3429, 3310..3534, 3540..3656, 3544..3639		

Seq. No.	57202	Seq. ID	OJ000250_64.0419.C156
Gene No.	119806	Strand	-
Start	340	End	3673
Name	OJ000250_64.0419.C156.o1.tm	Method	TBLASTX:Maize
Start	3280	End	3534
GI	none	Score	109
Exons	3280..3375, 3343..3534, 3362..3520		

Seq. No.	57202	Seq. ID	OJ000250_64.0419.C156
Gene No.	119806	Strand	-
Start	340	End	3673
Name	OJ000250_64.0419.C156.o1.tw	Method	TBLASTX:Wheat
Start	3343	End	3672
GI	none	Score	117
Exons	3343..3537, 3350..3544, 3514..3672, 3538..3633, 3540..3671		

Seq. No.	57203	Seq. ID	OJ000250_64.0419.C157
Gene No.	119807	Strand	+
Start	1	End	2034
Name	OJ000250_64.0419.C157.o1.np	Method	AAT/NAP
Start	1	End	2034
GI	6063554	Score	361
Exons	1..22, 278..560, 678..923, 1861..2034		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57203	Seq. ID	OJ000250_64.0419.C157
Gene No.	119808	Strand	-
Start	674	End	1845
Name	OJ000250_64.0419.C157.o1.gs	Method	GENSCAN
Start	674	End	1845
GI	none	Score	.45
Exons	674..955, 1768..1845		

Seq. No.	57204	Seq. ID	OJ000250_64.0419.C160
Gene No.	119809	Strand	+
Start	1	End	2573
Name	OJ000250_64.0419.C160.o1.np	Method	AAT/NAP
Start	1	End	2573
GI	4680179	Score	2953
Exons	1..389, 417..2573		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	57204	Seq. ID	OJ000250_64.0419.C160
Gene No.	119809	Strand	+
Start	1	End	2573
Name	OJ000250_64.0419.C160.o1.gs	Method	GENSCAN
Start	195	End	2449
GI	none	Score	.74
Exons	195..366, 390..847, 943..2449		

Seq. No.	57204	Seq. ID	OJ000250_64.0419.C160
Gene No.	119809	Strand	+
Start	1	End	2573
Name	OJ000250_64.0419.C160.o4.tw	Method	TBLASTX:Wheat
Start	474	End	827
GI	none	Score	238
Exons	474..827		

Seq. No.	57204	Seq. ID	OJ000250_64.0419.C160
Gene No.	119809	Strand	+
Start	1	End	2573
Name	OJ000250_64.0419.C160.o2.tw	Method	TBLASTX:Wheat

Start	958	End	1441
GI	none	Score	535
Exons	958..1398, 959..1441, 983..1438		

Seq. No.	57204	Seq. ID	OJ000250_64.0419.C160
Gene No.	119809	Strand	+
Start	1	End	2573
Name	OJ000250_64.0419.C160.o3.ts	Method	TBLASTX:Soybean
Start	995	End	1309
GI	none	Score	198
Exons	995..1309		

Seq. No.	57204	Seq. ID	OJ000250_64.0419.C160
Gene No.	119809	Strand	+
Start	1	End	2573
Name	OJ000250_64.0419.C160.o2.tm	Method	TBLASTX:Maize
Start	1024	End	1495
GI	none	Score	394
Exons	1024..1266, 1028..1495		

Seq. No.	57204	Seq. ID	OJ000250_64.0419.C160
Gene No.	119809	Strand	+
Start	1	End	2573
Name	OJ000250_64.0419.C160.o1.ts	Method	TBLASTX:Soybean
Start	1382	End	1777
GI	none	Score	57
Exons	1382..1414, 1382..1414, 1418..1777, 1421..1561, 1534..1767		

Seq. No.	57204	Seq. ID	OJ000250_64.0419.C160
Gene No.	119809	Strand	+
Start	1	End	2573
Name	OJ000250_64.0419.C160.o3.tw	Method	TBLASTX:Wheat
Start	1490	End	1792
GI	none	Score	408
Exons	1490..1792, 1531..1791		

Seq. No.	57204	Seq. ID	OJ000250_64.0419.C160
Gene No.	119809	Strand	+
Start	1	End	2573
Name	OJ000250_64.0419.C160.o3.tm	Method	TBLASTX:Maize
Start	1511	End	1858
GI	none	Score	319
Exons	1511..1858, 1579..1857		

Seq. No.	57204	Seq. ID	OJ000250_64.0419.C160
Gene No.	119809	Strand	+
Start	1	End	2573
Name	OJ000250_64.0419.C160.o1.tw	Method	TBLASTX:Wheat
Start	1793	End	2218
GI	none	Score	587
Exons	1793..2218, 1795..1857, 1876..2211		

Seq. No.	57204	Seq. ID	OJ000250_64.0419.C160
Gene No.	119809	Strand	+
Start	1	End	2573
Name	OJ000250_64.0419.C160.o2.ts	Method	TBLASTX:Soybean
Start	1799	End	2047

GI	none	Score	207
Exons	1799..2047		
Seq. No.	57204	Seq. ID	OJ000250_64.0419.C160
Gene No.	119809	Strand	+
Start	1	End	2573
Name	OJ000250_64.0419.C160.o1.tm	Method	TBLASTX:Maize
Start	1865	End	2218
GI	none	Score	451
Exons	1865..2218, 1876..2211		
Seq. No.	57204	Seq. ID	OJ000250_64.0419.C160
Gene No.	119809	Strand	+
Start	1	End	2573
Name	OJ000250_64.0419.C160.o5.tw	Method	TBLASTX:Wheat
Start	2246	End	2509
GI	none	Score	210
Exons	2246..2509, 2428..2478		
Seq. No.	57205	Seq. ID	OJ000250_64.0419.C162
Gene No.	119810	Strand	+
Start	1	End	783
Name	OJ000250_64.0419.C162.o1.np	Method	AAT/NAP
Start	1	End	783
GI	6721516	Score	290
Exons	1..92, 572..783		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	57206	Seq. ID	OJ000250_64.0419.C163
Gene No.	119811	Strand	-
Start	1	End	706
Name	OJ000250_64.0419.C163.o1.np	Method	AAT/NAP
Start	1	End	706
GI	4416302	Score	525
Exons	1..706		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		
Seq. No.	57206	Seq. ID	OJ000250_64.0419.C163
Gene No.	119811	Strand	-
Start	1	End	706
Name	OJ000250_64.0419.C163.o2.tm	Method	TBLASTX:Maize
Start	1	End	248
GI	none	Score	181
Exons	1..228, 6..248		
Seq. No.	57206	Seq. ID	OJ000250_64.0419.C163
Gene No.	119811	Strand	-
Start	1	End	706
Name	OJ000250_64.0419.C163.o1.ts	Method	TBLASTX:Soybean
Start	6	End	233
GI	5509260	Score	66
Exons	6..233, 16..138, 33..227		
GI Descrip.	-		
Seq. No.	57206	Seq. ID	OJ000250_64.0419.C163
Gene No.	119811	Strand	-
Start	1	End	706

Name	OJ000250_64.0419.C163.o1.gs	Method	GENSCAN
Start	39	End	626
GI	none	Score	.67
Exons	39..626		

Seq. No.	57206	Seq. ID	OJ000250_64.0419.C163
Gene No.	119811	Strand	-
Start	1	End	706
Name	OJ000250_64.0419.C163.o1.tm	Method	TBLASTX:Maize
Start	249	End	684
GI	none	Score	63
Exons	249..407, 310..411, 321..359,	420..665,	420..683, 460..684

Seq. No.	57206	Seq. ID	OJ000250_64.0419.C163
Gene No.	119811	Strand	-
Start	1	End	706
Name	OJ000250_64.0419.C163.o1.tw	Method	TBLASTX:Wheat
Start	345	End	683
GI	none	Score	48
Exons	345..434, 355..408, 449..592,	456..593,	456..602, 609..683

Seq. No.	57207	Seq. ID	OJ000250_64.0419.C164
Gene No.	119812	Strand	-
Start	1	End	1342
Name	OJ000250_64.0419.C164.o1.np	Method	AAT/NAP
Start	1	End	1342
GI	2443320	Score	1580
Exons	1..1342		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	57207	Seq. ID	OJ000250_64.0419.C164
Gene No.	119812	Strand	-
Start	1	End	1342
Name	OJ000250_64.0419.C164.o1.tw	Method	TBLASTX:Wheat
Start	9	End	443
GI	none	Score	120
Exons	9..155, 13..144, 194..406,	195..392,	196..411, 282..443

Seq. No.	57207	Seq. ID	OJ000250_64.0419.C164
Gene No.	119812	Strand	-
Start	1	End	1342
Name	OJ000250_64.0419.C164.o2.tw	Method	TBLASTX:Wheat
Start	901	End	1247
GI	none	Score	67
Exons	901..1113, 903..1247		

Seq. No.	57208	Seq. ID	OJ000250_64.0419.C166
Gene No.	119813	Strand	+
Start	122	End	931
Name	OJ000250_64.0419.C166.o1.gs	Method	GENSCAN
Start	122	End	931
GI	none	Score	.63
Exons	122..931		

Seq. No.	57209	Seq. ID	OJ000250_64.0419.C172
Gene No.	119814	Strand	+
Start	1	End	1191

Name	OJ000250_64.0419.C172.o1.np	Method	AAT/NAP
Start	1	End	1191
GI	4680179	Score	1267
Exons	1..1191		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	57209	Seq. ID	OJ000250_64.0419.C172
Gene No.	119814	Strand	+
Start	1	End	1191
Name	OJ000250_64.0419.C172.o1.tw	Method	TBLASTX:Wheat
Start	172	End	671
GI	none	Score	638
Exons	172..669, 174..671		

Seq. No.	57209	Seq. ID	OJ000250_64.0419.C172
Gene No.	119814	Strand	+
Start	1	End	1191
Name	OJ000250_64.0419.C172.o1.ts	Method	TBLASTX:Soybean
Start	178	End	423
GI	none	Score	196
Exons	178..423		

Seq. No.	57209	Seq. ID	OJ000250_64.0419.C172
Gene No.	119814	Strand	+
Start	1	End	1191
Name	OJ000250_64.0419.C172.o1.tm	Method	TBLASTX:Maize
Start	244	End	597
GI	none	Score	465
Exons	244..597, 246..590		

Seq. No.	57209	Seq. ID	OJ000250_64.0419.C172
Gene No.	119814	Strand	+
Start	1	End	1191
Name	OJ000250_64.0419.C172.o2.tw	Method	TBLASTX:Wheat
Start	711	End	1148
GI	none	Score	481
Exons	711..1148, 729..1115, 734..1147		

Seq. No.	57209	Seq. ID	OJ000250_64.0419.C172
Gene No.	119814	Strand	+
Start	1	End	1191
Name	OJ000250_64.0419.C172.o2.tm	Method	TBLASTX:Maize
Start	813	End	1127
GI	none	Score	274
Exons	813..1127, 876..1040, 1079..1126		

Seq. No.	57209	Seq. ID	OJ000250_64.0419.C172
Gene No.	119814	Strand	+
Start	1	End	1191
Name	OJ000250_64.0419.C172.o2.ts	Method	TBLASTX:Soybean
Start	962	End	1148
GI	none	Score	182
Exons	962..1147, 963..1148		

Seq. No.	57210	Seq. ID	OJ000250_64.0419.C174
Gene No.	119815	Strand	+
Start	1	End	1935

Name	OJ000250_64.0419.C174.o1.np	Method	AAT/NAP
Start	1	End	1935
GI	6815052	Score	1320
Exons	1..142, 176..288, 1071..1206, 1255..1935		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	57210	Seq. ID	OJ000250_64.0419.C174
Gene No.	119815	Strand	+
Start	1	End	1935
Name	OJ000250_64.0419.C174.o1.gs	Method	GENSCAN
Start	408	End	1883
GI	none	Score	.75
Exons	408..500, 1071..1883		

Seq. No.	57210	Seq. ID	OJ000250_64.0419.C174
Gene No.	119815	Strand	+
Start	1	End	1935
Name	OJ000250_64.0419.C174.o1.tw	Method	TBLASTX:Wheat
Start	522	End	1016
GI	none	Score	295
Exons	522..1013, 546..812, 758..1000, 782..859, 906..1016		

Seq. No.	57211	Seq. ID	OJ000250_64.0419.C175
Gene No.	119816	Strand	+
Start	105	End	3506
Name	OJ000250_64.0419.C175.o1.gs	Method	GENSCAN
Start	105	End	3231
GI	none	Score	.65
Exons	105..323, 905..982, 1328..1382, 2528..2718, 3115..3231		

Seq. No.	57211	Seq. ID	OJ000250_64.0419.C175
Gene No.	119816	Strand	+
Start	105	End	3506
Name	OJ000250_64.0419.C175.o1.gp	Method	AAT/GAP
Start	2527	End	3506
GI	none	Score	456
Exons	2527..2718, 2902..2990, 3465..3506		

Seq. No.	57211	Seq. ID	OJ000250_64.0419.C175
Gene No.	119817	Strand	-
Start	2924	End	4833
Name	OJ000250_64.0419.C175.o1.np	Method	AAT/NAP
Start	2924	End	4833
GI	7248394	Score	218
Exons	2924..3036, 3582..3802, 4199..4520, 4805..4833		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	57212	Seq. ID	OJ000250_64.0419.C176
Gene No.	119818	Strand	-
Start	174	End	2065
Name	OJ000250_64.0419.C176.o1.gs	Method	GENSCAN
Start	174	End	2065
GI	none	Score	.49

Exons	174..282, 427..921, 1042..1386, 1515..1598, 1625..1748, 1917..2065		
Seq. No.	57213	Seq. ID	OJ000250_64.0419.C177
Gene No.	119819	Strand	+
Start	46	End	722
Name	OJ000250_64.0419.C177.o1.gs	Method	GENSCAN
Start	46	End	722
GI	none	Score	.83
Exons	46..145, 220..415, 648..722		
Seq. No.	57214	Seq. ID	OJ000250_64.0419.C178
Gene No.	119820	Strand	-
Start	452	End	1205
Name	OJ000250_64.0419.C178.o1.gs	Method	GENSCAN
Start	452	End	1205
GI	none	Score	.83
Exons	452..860, 1036..1205		
Seq. No.	57215	Seq. ID	OJ000250_64.0419.C179
Gene No.	119821	Strand	+
Start	590	End	742
Name	OJ000250_64.0419.C179.o1.gs	Method	GENSCAN
Start	590	End	742
GI	none	Score	.57
Exons	590..742		
Seq. No.	57215	Seq. ID	OJ000250_64.0419.C179
Gene No.	119822	Strand	-
Start	1827	End	1975
Name	OJ000250_64.0419.C179.o1.np	Method	AAT/NAP
Start	1827	End	1975
GI	6630685	Score	146
Exons	1827..1975		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		
Seq. No.	57216	Seq. ID	OJ000250_64.0419.C180
Gene No.	119823	Strand	-
Start	1	End	724
Name	OJ000250_64.0419.C180.o1.np	Method	AAT/NAP
Start	1	End	724
GI	6630685	Score	899
Exons	1..724		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		
Seq. No.	57216	Seq. ID	OJ000250_64.0419.C180
Gene No.	119823	Strand	-
Start	1	End	724
Name	OJ000250_64.0419.C180.o1.gs	Method	GENSCAN
Start	14	End	696
GI	none	Score	.98
Exons	14..696		
Seq. No.	57216	Seq. ID	OJ000250_64.0419.C180
Gene No.	119823	Strand	-

Start	1	End	724
Name	OJ000250_64.0419.C180.o1.tm	Method	TBLASTX:Maize
Start	106	End	572
GI	none	Score	330
Exons	106..567, 107..532, 459..566,	480..572	

Seq. No.	57216	Seq. ID	OJ000250_64.0419.C180
Gene No.	119823	Strand	-
Start	1	End	724
Name	OJ000250_64.0419.C180.o1.ts	Method	TBLASTX:Soybean
Start	233	End	721
GI	5509260	Score	233
Exons	233..532, 233..319, 238..720,	241..720, 584..721	
GI Descrip.	-		

Seq. No.	57216	Seq. ID	OJ000250_64.0419.C180
Gene No.	119823	Strand	-
Start	1	End	724
Name	OJ000250_64.0419.C180.o1.tw	Method	TBLASTX:Wheat
Start	241	End	717
GI	none	Score	85
Exons	241..417, 247..594, 248..532, 595..621, 628..717	251..604, 384..587, 460..588,	

Seq. No.	57216	Seq. ID	OJ000250_64.0419.C180
Gene No.	119823	Strand	-
Start	1	End	724
Name	OJ000250_64.0419.C180.o1.tc	Method	TBLASTX:Cress
Start	352	End	624
GI	none	Score	69
Exons	352..624, 478..579		

Seq. No.	57217	Seq. ID	OJ000250_64.0419.C181
Gene No.	119824	Strand	-
Start	58	End	828
Name	OJ000250_64.0419.C181.o1.gs	Method	GENSCAN
Start	58	End	828
GI	none	Score	.66
Exons	58..828		

Seq. No.	57218	Seq. ID	OJ000250_64.0419.C183
Gene No.	119825	Strand	+
Start	1	End	270
Name	OJ000250_64.0419.C183.o1.np	Method	AAT/NAP
Start	1	End	270
GI	4680186	Score	232
Exons	1..270		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	57218	Seq. ID	OJ000250_64.0419.C183
Gene No.	119826	Strand	-
Start	1	End	199
Name	OJ000250_64.0419.C183.o1.gp	Method	AAT/GAP
Start	1	End	199
GI	uC-osflcyp033a04b1	Score	374
Exons	1..199		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic		

DNA, chromosome 1, clone:P0711E10'

Seq. No.	57218	Seq. ID	OJ000250_64.0419.C183
Gene No.	119827	Strand	-
Start	664	End	1298
Name	OJ000250_64.0419.C183.o2.np	Method	AAT/NAP
Start	664	End	1298
GI	6907087	Score	143
Exons	664..765, 1249..1298		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57219	Seq. ID	OJ000250_64.0419.C186
Gene No.	119828	Strand	+
Start	673	End	977
Name	OJ000250_64.0419.C186.o1.gs	Method	GENSCAN
Start	673	End	977
GI	none	Score	.94
Exons	673..977		

Seq. No.	57220	Seq. ID	OJ000250_64.0419.C187
Gene No.	119829	Strand	+
Start	123	End	1282
Name	OJ000250_64.0419.C187.o1.gs	Method	GENSCAN
Start	123	End	1282
GI	none	Score	.41
Exons	123..194, 317..449, 466..529, 1218..1282		

Seq. No.	57220	Seq. ID	OJ000250_64.0419.C187
Gene No.	119830	Strand	+
Start	1430	End	1767
Name	OJ000250_64.0419.C187.o1.gp	Method	AAT/GAP
Start	1430	End	1767
GI	2427387	Score	589
Exons	1430..1767		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	57221	Seq. ID	OJ000250_64.0419.C188
Gene No.	119831	Strand	+
Start	1	End	1086
Name	OJ000250_64.0419.C188.o1.np	Method	AAT/NAP
Start	1	End	1086
GI	6063554	Score	131
Exons	1..75, 913..1086		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57221	Seq. ID	OJ000250_64.0419.C188
Gene No.	119831	Strand	+
Start	1	End	1086
Name	OJ000250_64.0419.C188.o1.gp	Method	AAT/GAP
Start	491	End	926
GI	2428185	Score	715
Exons	491..926		

GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	57221	Seq. ID	OJ000250_64.0419.C188
Gene No.	119832	Strand	+
Start	1278	End	2119
Name	OJ000250_64.0419.C188.o1.gs	Method	GENSCAN
Start	1278	End	2105
GI	none	Score	.8
Exons	1278..1281, 1636..2105		
Seq. No.	57221	Seq. ID	OJ000250_64.0419.C188
Gene No.	119832	Strand	+
Start	1278	End	2119
Name	OJ000250_64.0419.C188.o1.tw	Method	TBLASTX:Wheat
Start	1751	End	2119
GI	none	Score	340
Exons	1751..2071, 1752..2057, 1847..2074, 2067..2111, 2068..2112, 2072..2119		
Seq. No.	57221	Seq. ID	OJ000250_64.0419.C188
Gene No.	119832	Strand	+
Start	1278	End	2119
Name	OJ000250_64.0419.C188.o2.np	Method	AAT/NAP
Start	1753	End	2063
GI	2443320	Score	456
Exons	1753..2063		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		
Seq. No.	57222	Seq. ID	OJ000250_64.0419.C191
Gene No.	119833	Strand	+
Start	1	End	4410
Name	OJ000250_64.0419.C191.o1.np	Method	AAT/NAP
Start	1	End	3772
GI	7523689	Score	227
Exons	1..49, 526..1037, 3726..3772		
GI Descrip.	(AC009526) Similar to Athila ORF 1 [Arabidopsis thaliana]		
Seq. No.	57222	Seq. ID	OJ000250_64.0419.C191
Gene No.	119833	Strand	+
Start	1	End	4410
Name	OJ000250_64.0419.C191.o1.gs	Method	GENSCAN
Start	260	End	935
GI	none	Score	.94
Exons	260..361, 393..935		
Seq. No.	57222	Seq. ID	OJ000250_64.0419.C191
Gene No.	119833	Strand	+
Start	1	End	4410
Name	OJ000250_64.0419.C191.o2.gs	Method	GENSCAN
Start	1111	End	2360
GI	none	Score	.87
Exons	1111..1231, 1237..1367, 1560..2360		
Seq. No.	57222	Seq. ID	OJ000250_64.0419.C191
Gene No.	119833	Strand	+
Start	1	End	4410

Name	OJ000250_64.0419.C191.o2.np	Method	AAT/NAP
Start	1428	End	2138
GI	7488857	Score	299
Exons	1428..2138		
GI Descrip.	hypothetical protein - fava bean (fragment) gi|2522230|dbj|BAA22788.1| (AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	57222	Seq. ID	OJ000250_64.0419.C191
Gene No.	119833	Strand	+
Start	1	End	4410
Name	OJ000250_64.0419.C191.o1.tw	Method	TBLASTX:Wheat
Start	1458	End	1829
GI	none	Score	100
Exons	1458..1601, 1644..1829, 1646..1828		

Seq. No.	57222	Seq. ID	OJ000250_64.0419.C191
Gene No.	119833	Strand	+
Start	1	End	4410
Name	OJ000250_64.0419.C191.o3.gs	Method	GENSCAN
Start	3103	End	4410
GI	none	Score	.92
Exons	3103..3250, 3988..4095, 4235..4410		

Seq. No.	57223	Seq. ID	OJ000250_64.0419.C197
Gene No.	119834	Strand	+
Start	1	End	623
Name	OJ000250_64.0419.C197.o1.np	Method	AAT/NAP
Start	1	End	620
GI	6983860	Score	1014
Exons	1..620		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	57223	Seq. ID	OJ000250_64.0419.C197
Gene No.	119834	Strand	+
Start	1	End	623
Name	OJ000250_64.0419.C197.o1.tm	Method	TBLASTX:Maize
Start	2	End	380
GI	none	Score	407
Exons	2..115, 3..380, 75..359, 170..379		

Seq. No.	57223	Seq. ID	OJ000250_64.0419.C197
Gene No.	119834	Strand	+
Start	1	End	623
Name	OJ000250_64.0419.C197.o1.gs	Method	GENSCAN
Start	45	End	623
GI	none	Score	.95
Exons	45..623		

Seq. No.	57223	Seq. ID	OJ000250_64.0419.C197
Gene No.	119834	Strand	+
Start	1	End	623
Name	OJ000250_64.0419.C197.o1.tw	Method	TBLASTX:Wheat
Start	153	End	575
GI	none	Score	394
Exons	153..575, 173..523		

Seq. No.	57224	Seq. ID	OJ000250_64.0419.C198
Gene No.	119835	Strand	+
Start	180	End	716
Name	OJ000250_64.0419.C198.o1.gs	Method	GENSCAN
Start	180	End	633
GI	none	Score	.77
Exons	180..478, 486..633		

Seq. No.	57224	Seq. ID	OJ000250_64.0419.C198
Gene No.	119835	Strand	+
Start	180	End	716
Name	OJ000250_64.0419.C198.o1.tm	Method	TBLASTX:Maize
Start	195	End	714
GI	none	Score	82
Exons	195..302, 446..505, 496..714, 508..714		

Seq. No.	57224	Seq. ID	OJ000250_64.0419.C198
Gene No.	119835	Strand	+
Start	180	End	716
Name	OJ000250_64.0419.C198.o1.np	Method	AAT/NAP
Start	210	End	716
GI	1707008	Score	103
Exons	210..435, 497..716		
GI Descrip.	(U78721) 30S ribosomal protein S5 [Arabidopsis thaliana]		

Seq. No.	57225	Seq. ID	OJ000250_64.0419.C199
Gene No.	119836	Strand	+
Start	1	End	1316
Name	OJ000250_64.0419.C199.o1.np	Method	AAT/NAP
Start	1	End	1316
GI	5725342	Score	244
Exons	1..237, 1256..1316		
GI Descrip.	(X93159) ribosomal protein S5 [Spinacia oleracea]		

Seq. No.	57225	Seq. ID	OJ000250_64.0419.C199
Gene No.	119836	Strand	+
Start	1	End	1316
Name	OJ000250_64.0419.C199.o1.tw	Method	TBLASTX:Wheat
Start	2	End	238
GI	none	Score	205
Exons	2..238, 8..235, 82..237		

Seq. No.	57225	Seq. ID	OJ000250_64.0419.C199
Gene No.	119836	Strand	+
Start	1	End	1316
Name	OJ000250_64.0419.C199.o1.tm	Method	TBLASTX:Maize
Start	103	End	238
GI	none	Score	134
Exons	103..237, 158..238		

Seq. No.	57225	Seq. ID	OJ000250_64.0419.C199
Gene No.	119836	Strand	+
Start	1	End	1316
Name	OJ000250_64.0419.C199.o1.gs	Method	GENSCAN
Start	107	End	738
GI	none	Score	.76

Exons	107..237, 616..738		
Seq. No.	57226	Seq. ID	OJ000250_64.0419.C200
Gene No.	119837	Strand	+
Start	406	End	1492
Name	OJ000250_64.0419.C200.o1.gs	Method	GENSCAN
Start	406	End	1420
GI	none	Score	.66
Exons	406..489, 1243..1420		
Seq. No.	57226	Seq. ID	OJ000250_64.0419.C200
Gene No.	119837	Strand	+
Start	406	End	1492
Name	OJ000250_64.0419.C200.o1.np	Method	AAT/NAP
Start	1243	End	1492
GI	5725342	Score	308
Exons	1243..1492		
GI Descrip.	(X93159) ribosomal protein S5 [Spinacia oleracea]		
Seq. No.	57226	Seq. ID	OJ000250_64.0419.C200
Gene No.	119838	Strand	+
Start	3641	End	4157
Name	OJ000250_64.0419.C200.o2.gs	Method	GENSCAN
Start	3641	End	4157
GI	none	Score	.61
Exons	3641..3726, 4073..4157		
Seq. No.	57226	Seq. ID	OJ000250_64.0419.C200
Gene No.	119838	Strand	+
Start	3641	End	4157
Name	OJ000250_64.0419.C200.o3.gp	Method	AAT/GAP
Start	3662	End	4027
GI	5816475	Score	482
Exons	3662..4027		
GI Descrip.	5042437/gb|AC007789.1|AC007789 1.0e-65 Oryza sativa BAC T49B20 genomic sequence, complete sequence		
Seq. No.	57226	Seq. ID	OJ000250_64.0419.C200
Gene No.	119839	Strand	-
Start	1215	End	1724
Name	OJ000250_64.0419.C200.o1.gp	Method	AAT/GAP
Start	1215	End	1724
GI	2134_1.R1084	Score	911
Exons	1215..1724		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-65 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		
Seq. No.	57226	Seq. ID	OJ000250_64.0419.C200
Gene No.	119839	Strand	-
Start	1215	End	1724
Name	OJ000250_64.0419.C200.o1.tm	Method	TBLASTX:Maize
Start	1243	End	1505
GI	none	Score	282
Exons	1243..1491, 1244..1495, 1273..1500, 1329..1505		
Seq. No.	57226	Seq. ID	OJ000250_64.0419.C200
Gene No.	119839	Strand	-

Start	1215	End	1724
Name	OJ000250_64.0419.C200.o1.tw	Method	TBLASTX:Wheat
Start	1243	End	1368
GI	none	Score	187
Exons	1243..1365, 1244..1366, 1273..1368		

Seq. No.	57226	Seq. ID	OJ000250_64.0419.C200
Gene No.	119839	Strand	-
Start	1215	End	1724
Name	OJ000250_64.0419.C200.o1.tc	Method	TBLASTX:Cress
Start	1244	End	1495
GI	none	Score	335
Exons	1244..1495, 1269..1409, 1273..1494		

Seq. No.	57226	Seq. ID	OJ000250_64.0419.C200
Gene No.	119839	Strand	-
Start	1215	End	1724
Name	OJ000250_64.0419.C200.o1.ts	Method	TBLASTX:Soybean
Start	1244	End	1509
GI	none	Score	332
Exons	1244..1501, 1273..1509, 1338..1502		

Seq. No.	57227	Seq. ID	OJ000250_64.0419.C203
Gene No.	119840	Strand	+
Start	680	End	815
Name	OJ000250_64.0419.C203.o1.gs	Method	GENSCAN
Start	680	End	815
GI	none	Score	.71
Exons	680..743, 748..815		

Seq. No.	57228	Seq. ID	OJ000250_64.0419.C204
Gene No.	119841	Strand	-
Start	296	End	1091
Name	OJ000250_64.0419.C204.o1.gs	Method	GENSCAN
Start	296	End	1091
GI	none	Score	.75
Exons	296..430, 497..614, 931..1091		

Seq. No.	57229	Seq. ID	OJ000250_64.0419.C205
Gene No.	119842	Strand	+
Start	112	End	321
Name	OJ000250_64.0419.C205.o1.gs	Method	GENSCAN
Start	112	End	321
GI	none	Score	.9
Exons	112..321		

Seq. No.	57229	Seq. ID	OJ000250_64.0419.C205
Gene No.	119843	Strand	+
Start	479	End	1047
Name	OJ000250_64.0419.C205.o1.gp	Method	AAT/GAP
Start	479	End	1047
GI	4879016	Score	848
Exons	479..1047		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	57230	Seq. ID	OJ000250_64.0419.C212
Gene No.	119844	Strand	+
Start	149	End	919
Name	OJ000250_64.0419.C212.o1.gs	Method	GENSCAN
Start	149	End	769
GI	none	Score	.75
Exons	149..769		

Seq. No.	57230	Seq. ID	OJ000250_64.0419.C212
Gene No.	119844	Strand	+
Start	149	End	919
Name	OJ000250_64.0419.C212.o1.np	Method	AAT/NAP
Start	149	End	919
GI	6983860	Score	1108
Exons	149..919		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	57230	Seq. ID	OJ000250_64.0419.C212
Gene No.	119844	Strand	+
Start	149	End	919
Name	OJ000250_64.0419.C212.o1.tw	Method	TBLASTX:Wheat
Start	332	End	688
GI	none	Score	280
Exons	332..688, 355..432, 362..685		

Seq. No.	57231	Seq. ID	OJ000250_64.0419.C215
Gene No.	119845	Strand	-
Start	1	End	1002
Name	OJ000250_64.0419.C215.o1.np	Method	AAT/NAP
Start	1	End	1002
GI	2443320	Score	1269
Exons	1..1002		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	57231	Seq. ID	OJ000250_64.0419.C215
Gene No.	119845	Strand	-
Start	1	End	1002
Name	OJ000250_64.0419.C215.o2.tm	Method	TBLASTX:Maize
Start	84	End	389
GI	none	Score	71
Exons	84..389, 105..296		

Seq. No.	57231	Seq. ID	OJ000250_64.0419.C215
Gene No.	119845	Strand	-
Start	1	End	1002
Name	OJ000250_64.0419.C215.o1.gs	Method	GENSCAN
Start	149	End	263
GI	none	Score	.94
Exons	149..263		

Seq. No.	57231	Seq. ID	OJ000250_64.0419.C215
Gene No.	119845	Strand	-
Start	1	End	1002
Name	OJ000250_64.0419.C215.o1.tw	Method	TBLASTX:Wheat
Start	177	End	957
GI	none	Score	233

Exons	177..515, 178..492, 207..494, 503..640, 513..632, 647..898, 649..900, 650..901, 894..956, 901..957		
Seq. No.	57231	Seq. ID	OJ000250_64.0419.C215
Gene No.	119845	Strand	-
Start	1	End	1002
Name	OJ000250_64.0419.C215.o1.tm	Method	TBLASTX:Maize
Start	539	End	935
GI	none	Score	93
Exons	539..628, 664..900, 677..814, 857..898, 909..935		
Seq. No.	57231	Seq. ID	OJ000250_64.0419.C215
Gene No.	119845	Strand	-
Start	1	End	1002
Name	OJ000250_64.0419.C215.o1.ts	Method	TBLASTX:Soybean
Start	656	End	987
GI	5509260	Score	102
Exons	656..814, 664..897, 900..986, 904..987		
GI Descrip.	-		
Seq. No.	57232	Seq. ID	OJ000250_64.0419.C216
Gene No.	119846	Strand	+
Start	1	End	3214
Name	OJ000250_64.0419.C216.o2.np	Method	AAT/NAP
Start	1	End	3214
GI	4680186	Score	362
Exons	1..77, 2096..2174, 3014..3214		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	57232	Seq. ID	OJ000250_64.0419.C216
Gene No.	119847	Strand	-
Start	1	End	3147
Name	OJ000250_64.0419.C216.o1.np	Method	AAT/NAP
Start	1	End	708
GI	7248394	Score	985
Exons	1..708		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		
Seq. No.	57232	Seq. ID	OJ000250_64.0419.C216
Gene No.	119847	Strand	-
Start	1	End	3147
Name	OJ000250_64.0419.C216.o1.ts	Method	TBLASTX:Soybean
Start	247	End	609
GI	none	Score	195
Exons	247..609		
Seq. No.	57232	Seq. ID	OJ000250_64.0419.C216
Gene No.	119847	Strand	-
Start	1	End	3147
Name	OJ000250_64.0419.C216.o1.gs	Method	GENSCAN
Start	324	End	3049
GI	none	Score	.53
Exons	324..672, 694..1484, 1673..1982, 2978..3049		

Seq. No.	57232	Seq. ID	OJ000250_64.0419.C216
Gene No.	119847	Strand	-
Start	1	End	3147
Name	OJ000250_64.0419.C216.o1.gp	Method	AAT/GAP
Start	2765	End	3147
GI	uC-osf1cyp033a04b1	Score	700
Exons	2765..3147		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	57233	Seq. ID	OJ000250_61.0419.C2
Gene No.	119848	Strand	+
Start	853	End	1726
Name	OJ000250_61.0419.C2.o1.np	Method	AAT/NAP
Start	853	End	1726
GI	6983857	Score	97
Exons	853..1179, 1425..1593, 1638..1726		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	57233	Seq. ID	OJ000250_61.0419.C2
Gene No.	119849	Strand	-
Start	2675	End	2905
Name	OJ000250_61.0419.C2.o2.gs	Method	GENSCAN
Start	2675	End	2905
GI	none	Score	.93
Exons	2675..2905		

Seq. No.	57233	Seq. ID	OJ000250_61.0419.C2
Gene No.	119850	Strand	-
Start	2929	End	3412
Name	OJ000250_61.0419.C2.o2.np	Method	AAT/NAP
Start	2929	End	3412
GI	6907088	Score	183
Exons	2929..3412		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	57234	Seq. ID	OJ000250_61.0419.C3
Gene No.	119851	Strand	+
Start	95	End	222
Name	OJ000250_61.0419.C3.o1.gs	Method	GENSCAN
Start	95	End	222
GI	none	Score	.57
Exons	95..222		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119852	Strand	+
Start	2505	End	4696
Name	OJ000250_61.0419.C6.o1.gs	Method	GENSCAN
Start	2505	End	4696
GI	none	Score	.54
Exons	2505..2539, 2675..2867, 3439..3556, 3704..3876, 4619..4696		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119853	Strand	+
Start	4993	End	6750
Name	OJ000250_61.0419.C6.o2.gs	Method	GENSCAN

Start	4993	End	6750
GI	none	Score	.51
Exons	4993..5118, 5357..5528, 5840..6750		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119854	Strand	+
Start	11199	End	11807
Name	OJ000250_61.0419.C6.o4.gs	Method	GENSCAN
Start	11199	End	11807
GI	none	Score	.72
Exons	11199..11392, 11618..11807		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119855	Strand	+
Start	12798	End	13084
Name	OJ000250_61.0419.C6.o3.gp	Method	AAT/GAP
Start	12798	End	13084
GI	LIB3474-001-P1-K1-F4	Score	550
Exons	12798..13084		
GI Descrip.	'5541710/emb|CAB51215.1| 5.0e-10 (AL096860) putative protein [Arabidopsis thaliana]'		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119856	Strand	+
Start	14019	End	20622
Name	OJ000250_61.0419.C6.o6.gs	Method	GENSCAN
Start	14019	End	20377
GI	none	Score	.5
Exons	14019..14025, 14319..14442, 14540..14571, 16341..16790, 16830..17109, 17199..17305, 18207..18353, 18459..18529, 19086..19241, 19443..19490, 20300..20377		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119856	Strand	+
Start	14019	End	20622
Name	OJ000250_61.0419.C6.o2.np	Method	AAT/NAP
Start	16142	End	17138
GI	7288007	Score	716
Exons	16142..17138		
GI Descrip.	(AL138646) putative protein [Arabidopsis thaliana]		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119856	Strand	+
Start	14019	End	20622
Name	OJ000250_61.0419.C6.o4.gp	Method	AAT/GAP
Start	16351	End	16818
GI	none	Score	899
Exons	16351..16818		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119856	Strand	+
Start	14019	End	20622
Name	OJ000250_61.0419.C6.o6.gp	Method	AAT/GAP
Start	18168	End	18772
GI	428790	Score	614
Exons	18168..18353, 18459..18529, 18681..18772		
GI Descrip.	4895238/gb|AAD32823.1|AC007659_5 3.0e-22 (AC007659) unknown		

protein [Arabidopsis thaliana]

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119856	Strand	+
Start	14019	End	20622
Name	OJ000250_61.0419.C6.o3.np	Method	AAT/NAP
Start	18296	End	20622
GI	6688926	Score	488
Exons	18296..18353, 18459..18529, 18681..18762, 18863..18978, 19086..19241, 19434..19484, 20300..20381, 20605..20622		
GI Descrip.	(AJ251365) VAP27 [Nicotiana plumbaginifolia]		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119856	Strand	+
Start	14019	End	20622
Name	OJ000250_61.0419.C6.o7.gp	Method	AAT/GAP
Start	19112	End	20622
GI	LIB3433-051-P1-K1-B1	Score	488
Exons	19112..19241, 19318..19359, 19443..19490, 20300..20378, 20586..20622		
GI Descrip.	'4895238/gb|AAD32823.1|AC007659_5 8.0e-25 (AC007659) unknown protein [Arabidopsis thaliana]'		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119857	Strand	-
Start	7452	End	8479
Name	OJ000250_61.0419.C6.o3.gs	Method	GENSCAN
Start	7452	End	8479
GI	none	Score	.53
Exons	7452..7739, 7749..7823, 8468..8479		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119858	Strand	-
Start	11290	End	11565
Name	OJ000250_61.0419.C6.o2.gp	Method	AAT/GAP
Start	11290	End	11565
GI	LIB3433-046-P1-K1-D5	Score	488
Exons	11290..11565		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119859	Strand	-
Start	12550	End	13646
Name	OJ000250_61.0419.C6.o5.gs	Method	GENSCAN
Start	12550	End	13646
GI	none	Score	.59
Exons	12550..12615, 12674..12776, 12982..13646		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119859	Strand	-
Start	12550	End	13646
Name	OJ000250_61.0419.C6.o1.np	Method	AAT/NAP
Start	12981	End	13643
GI	7487306	Score	730
Exons	12981..13643		
GI Descrip.	hypothetical protein T21L8.180 - Arabidopsis thaliana		

gi|5541710|emb|CAB51215.1| (AL096860) putative protein [Arabidopsis thaliana]

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119860	Strand	-
Start	16865	End	17380
Name	OJ000250_61.0419.C6.o2.tc	Method	TBLASTX:Cress
Start	12972	End	13149
GI	none	Score	177
Exons	12972..13148, 12973..13149		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119860	Strand	-
Start	16865	End	17380
Name	OJ000250_61.0419.C6.o1.ts	Method	TBLASTX:Soybean
Start	13254	End	13634
GI	none	Score	114
Exons	13254..13388, 13254..13394, 13258..13398, 13380..13634, 13381..13617, 13482..13625		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119860	Strand	-
Start	16865	End	17380
Name	OJ000250_61.0419.C6.o1.tw	Method	TBLASTX:Wheat
Start	13308	End	13637
GI	none	Score	141
Exons	13308..13406, 13311..13637, 13312..13617, 13485..13631		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119860	Strand	-
Start	16865	End	17380
Name	OJ000250_61.0419.C6.o1.tm	Method	TBLASTX:Maize
Start	16131	End	16782
GI	none	Score	77
Exons	16131..16193, 16131..16211, 16132..16197, 16196..16558, 16196..16555, 16231..16557, 16558..16782, 16559..16780		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119860	Strand	-
Start	16865	End	17380
Name	OJ000250_61.0419.C6.o3.ts	Method	TBLASTX:Soybean
Start	16487	End	16678
GI	none	Score	47
Exons	16487..16516, 16516..16671, 16517..16678		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119860	Strand	-
Start	16865	End	17380
Name	OJ000250_61.0419.C6.o3.tm	Method	TBLASTX:Maize
Start	16794	End	16963
GI	none	Score	88
Exons	16794..16865, 16795..16866, 16795..16863, 16796..16864, 16872..16961, 16873..16962, 16886..16963		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119860	Strand	-
Start	16865	End	17380

Name	OJ000250_61.0419.C6.o5.gp	Method	AAT/GAP
Start	16865	End	17380
GI	LIB3431-058-P1-N1-E6	Score	1028
Exons	16865..17380		
GI Descrip.	'4895238/gb|AAD32823.1|AC007659_5 3.0e-22 (AC007659) unknown protein [Arabidopsis thaliana]'		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119861	Strand	
Start	18296	End	20389
Name	OJ000250_61.0419.C6.o2.tm	Method	TBLASTX:Maize
Start	18296	End	20379
GI	none	Score	60
Exons	18296..18349, 18394..18540, 18459..18530, 18461..18532, 18680..18760, 18681..18761, 18859..18978, 18862..18978, 18864..18980, 19084..19239, 19086..19247, 19172..19240, 19316..19354, 19317..19358, 20297..20371, 20298..20378, 20299..20379, 20299..20373		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119861	Strand	
Start	18296	End	20389
Name	OJ000250_61.0419.C6.o2.ts	Method	TBLASTX:Soybean
Start	18314	End	20389
GI	none	Score	46
Exons	18314..18349, 18460..18531, 18461..18532, 18680..18760, 18681..18761, 18850..18978, 18861..18920, 18868..18978, 19084..19158, 19086..19241, 19172..19222, 20305..20385, 20306..20389		

Seq. No.	57235	Seq. ID	OJ000250_61.0419.C6
Gene No.	119861	Strand	
Start	18296	End	20389
Name	OJ000250_61.0419.C6.o1.tc	Method	TBLASTX:Cress
Start	18460	End	20377
GI	none	Score	90
Exons	18460..18540, 18461..18532, 18680..18757, 18681..18761, 18849..18923, 18850..18978, 18868..18978, 19086..19226, 19086..19205, 19169..19222, 20306..20377		

Seq. No.	57236	Seq. ID	OJ000250_61.0419.C7
Gene No.	119862	Strand	+
Start	2437	End	10885
Name	OJ000250_61.0419.C7.o1.gp	Method	AAT/GAP
Start	2437	End	3294
GI	uC-osf1cyp005d11b1	Score	972
Exons	2437..2880, 3204..3294		
GI Descrip.	'1352468/sp|P49175|INV1_MAIZE 2.0e-23 BETA-FRUCTOFURANOSIDASE 1 PRECURSOR (SUCROSE-6-PHOSPHATE HYDROLASE 1) (INVERTASE 1) >gi_1122439 (U16123) invertase [Zea mays]'		

Seq. No.	57236	Seq. ID	OJ000250_61.0419.C7
Gene No.	119862	Strand	+
Start	2437	End	10885
Name	OJ000250_61.0419.C7.o1.np	Method	AAT/NAP
Start	2462	End	8699
GI	1352468	Score	2299

Exons	2462..2880, 3195..4075, 7496..7657, 7808..8049, 8302..8389, 8495..8699		
GI Descrip.	BETA-FRUCTOFURANOSIDASE 1 PRECURSOR (SUCROSE-6-PHOSPHATE HYDROLASE 1) (INVERTASE 1) gi|1122439 (U16123) invertase [Zea mays]		
Seq. No.	57236	Seq. ID	OJ000250_61.0419.C7
Gene No.	119862	Strand	+
Start	2437	End	10885
Name	OJ000250_61.0419.C7.o1.ts	Method	TBLASTX:Soybean
Start	2726	End	8680
GI	none	Score	130
Exons	2726..2878, 2790..2879, 3188..3583, 3188..3325, 3202..3582, 3593..3628, 3595..3630, 3643..3762, 3644..3760, 3806..4075, 3913..4080, 7490..7660, 7498..7575, 7615..7677, 7790..7837, 7816..8040, 7883..8050, 8299..8403, 8300..8401, 8482..8631, 8495..8632, 8636..8680		
Seq. No.	57236	Seq. ID	OJ000250_61.0419.C7
Gene No.	119862	Strand	+
Start	2437	End	10885
Name	OJ000250_61.0419.C7.o1.tc	Method	TBLASTX:Cress
Start	2805	End	8686
GI	none	Score	125
Exons	2805..2879, 3188..3586, 3188..3334, 3202..3582, 3593..3628, 3595..3630, 3643..3762, 3644..3760, 3806..3934, 3917..4075, 3943..4071, 7490..7600, 7498..7563, 7558..7650, 7604..7660, 7790..7882, 7868..8050, 7885..8049, 8296..8403, 8300..8401, 8494..8631, 8495..8632, 8636..8686		
Seq. No.	57236	Seq. ID	OJ000250_61.0419.C7
Gene No.	119862	Strand	+
Start	2437	End	10885
Name	OJ000250_61.0419.C7.o3.tw	Method	TBLASTX:Wheat
Start	2838	End	3427
GI	none	Score	55
Exons	2838..2879, 3202..3270, 3203..3274, 3210..3272, 3268..3426, 3269..3427		
Seq. No.	57236	Seq. ID	OJ000250_61.0419.C7
Gene No.	119862	Strand	+
Start	2437	End	10885
Name	OJ000250_61.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	3188	End	3883
GI	none	Score	123
Exons	3188..3274, 3188..3274, 3202..3279, 3271..3363, 3272..3334, 3274..3636, 3275..3637, 3628..3762, 3629..3763, 3773..3883		
Seq. No.	57236	Seq. ID	OJ000250_61.0419.C7
Gene No.	119862	Strand	+
Start	2437	End	10885
Name	OJ000250_61.0419.C7.o2.tw	Method	TBLASTX:Wheat
Start	3431	End	3709
GI	none	Score	244
Exons	3431..3631, 3433..3627, 3628..3696, 3629..3709		
Seq. No.	57236	Seq. ID	OJ000250_61.0419.C7

Gene No.	119862	Strand	+
Start	2437	End	10885
Name	OJ000250_61.0419.C7.o1.tw	Method	TBLASTX:Wheat
Start	3725	End	4075
GI	none	Score	43
Exons	3725..3757, 3821..4075, 3916..4068		

Seq. No.	57236	Seq. ID	OJ000250_61.0419.C7
Gene No.	119862	Strand	+
Start	2437	End	10885
Name	OJ000250_61.0419.C7.o2.gp	Method	AAT/GAP
Start	3778	End	8013
GI	17607_1.R1084	Score	1225
Exons	3778..4075, 7496..7657, 7808..8013		
GI Descrip.	'1352468/sp|P49175|INV1_MAIZE 2.0e-77 BETA-FRUCTOFURANOSIDASE 1 PRECURSOR (SUCROSE-6-PHOSPHATE HYDROLASE 1) (INVERTASE 1) >gi_1122439 (U16123) invertase [Zea mays]'		

Seq. No.	57236	Seq. ID	OJ000250_61.0419.C7
Gene No.	119862	Strand	+
Start	2437	End	10885
Name	OJ000250_61.0419.C7.o2.tm	Method	TBLASTX:Maize
Start	3898	End	4069
GI	none	Score	273
Exons	3898..4068, 3899..4069		

Seq. No.	57236	Seq. ID	OJ000250_61.0419.C7
Gene No.	119862	Strand	+
Start	2437	End	10885
Name	OJ000250_61.0419.C7.o2.gs	Method	GENSCAN
Start	6565	End	10885
GI	none	Score	.87
Exons	6565..6577, 7496..7657, 7719..8049, 8302..8389, 10811..10885		

Seq. No.	57236	Seq. ID	OJ000250_61.0419.C7
Gene No.	119862	Strand	+
Start	2437	End	10885
Name	OJ000250_61.0419.C7.o4.tm	Method	TBLASTX:Maize
Start	7490	End	7978
GI	none	Score	216
Exons	7490..7660, 7492..7659, 7776..7844, 7789..7917, 7859..7978, 7922..7972		

Seq. No.	57236	Seq. ID	OJ000250_61.0419.C7
Gene No.	119862	Strand	+
Start	2437	End	10885
Name	OJ000250_61.0419.C7.o4.tw	Method	TBLASTX:Wheat
Start	7490	End	7660
GI	none	Score	175
Exons	7490..7660, 7490..7627, 7495..7635		

Seq. No.	57236	Seq. ID	OJ000250_61.0419.C7
Gene No.	119862	Strand	+
Start	2437	End	10885
Name	OJ000250_61.0419.C7.o3.tm	Method	TBLASTX:Maize
Start	8008	End	8625
GI	none	Score	67

Exons	8008..8049, 8009..8050, 8011..8052, 8266..8403, 8298..8390, 8300..8401, 8494..8625, 8495..8620		
Seq. No.	57236	Seq. ID	OJ000250_61.0419.C7
Gene No.	119862	Strand	+
Start	2437	End	10885
Name	OJ000250_61.0419.C7.o3.gp	Method	AAT/GAP
Start	8347	End	8848
GI	9464_1.R1084	Score	718
Exons	8347..8389, 8495..8848		
GI Descrip.	'1352468/sp|P49175|INV1_MAIZE 6.0e-32 BETA-FRUCTOFURANOSIDASE 1 PRECURSOR (SUCROSE-6-PHOSPHATE HYDROLASE 1) (INVERTASE 1) >gi_1122439 (U16123) invertase [Zea mays]'		
Seq. No.	57237	Seq. ID	OJ000250_61.0419.C8
Gene No.	119863	Strand	-
Start	1	End	1494
Name	OJ000250_61.0419.C8.o1.np	Method	AAT/NAP
Start	1	End	1494
GI	6907086	Score	1230
Exons	1..192, 427..672, 730..1494		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	57237	Seq. ID	OJ000250_61.0419.C8
Gene No.	119863	Strand	-
Start	1	End	1494
Name	OJ000250_61.0419.C8.o1.gs	Method	GENSCAN
Start	747	End	1195
GI	none	Score	.96
Exons	747..1195		
Seq. No.	57237	Seq. ID	OJ000250_61.0419.C8
Gene No.	119864	Strand	-
Start	1574	End	1740
Name	OJ000250_61.0419.C8.o1.gp	Method	AAT/GAP
Start	1574	End	1740
GI	5667165	Score	299
Exons	1574..1740		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		
Seq. No.	57238	Seq. ID	OJ000250_61.0419.C9
Gene No.	119865	Strand	-
Start	1	End	1280
Name	OJ000250_61.0419.C9.o1.np	Method	AAT/NAP
Start	1	End	1280
GI	6983857	Score	791
Exons	1..368, 400..866, 1037..1280		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		
Seq. No.	57238	Seq. ID	OJ000250_61.0419.C9
Gene No.	119865	Strand	-
Start	1	End	1280
Name	OJ000250_61.0419.C9.o1.gs	Method	GENSCAN
Start	699	End	1168
GI	none	Score	.75
Exons	699..862, 1037..1168		

Seq. No.	57239	Seq. ID	OJ000250_61.0419.C10
Gene No.	119866	Strand	+
Start	246	End	866
Name	OJ000250_61.0419.C10.o1.gs	Method	GENSCAN
Start	246	End	866
GI	none	Score	.71
Exons	246..320, 777..866		

Seq. No.	57239	Seq. ID	OJ000250_61.0419.C10
Gene No.	119867	Strand	-
Start	748	End	897
Name	OJ000250_61.0419.C10.o1.np	Method	AAT/NAP
Start	748	End	897
GI	6002794	Score	250
Exons	748..897		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	57240	Seq. ID	OJ000250_61.0419.C12
Gene No.	119868	Strand	+
Start	6	End	428
Name	OJ000250_61.0419.C12.o1.gs	Method	GENSCAN
Start	6	End	428
GI	none	Score	.98
Exons	6..428		

Seq. No.	57240	Seq. ID	OJ000250_61.0419.C12
Gene No.	119869	Strand	+
Start	1682	End	2305
Name	OJ000250_61.0419.C12.o2.gs	Method	GENSCAN
Start	1682	End	2305
GI	none	Score	.65
Exons	1682..2305		

Seq. No.	57240	Seq. ID	OJ000250_61.0419.C12
Gene No.	119870	Strand	+
Start	2474	End	2581
Name	OJ000250_61.0419.C12.o1.gp	Method	AAT/GAP
Start	2474	End	2581
GI	uC-osf1cyp088b12b1	Score	155
Exons	2474..2581		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	57241	Seq. ID	OJ000250_61.0419.C13
Gene No.	119871	Strand	+
Start	1	End	9475
Name	OJ000250_61.0419.C13.o2.np	Method	AAT/NAP
Start	1	End	5616
GI	4406792	Score	697
Exons	1..29, 2790..3226, 4413..5113, 5450..5616		
GI Descrip.	(AC006304) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	57241	Seq. ID	OJ000250_61.0419.C13
Gene No.	119871	Strand	+
Start	1	End	9475

Name	OJ000250_61.0419.C13.o1.gs	Method	GENSCAN
Start	48	End	9475
GI	none	Score	.8
Exons	48..726, 772..3423, 3526..3726, 3991..5385, 5420..6028, 6115..6603, 6618..6986, 7884..8063, 8645..8752, 9108..9475		

Seq. No.	57241	Seq. ID	OJ000250_61.0419.C13
Gene No.	119871	Strand	+
Start	1	End	9475
Name	OJ000250_61.0419.C13.o1.ts	Method	TBLASTX:Soybean
Start	2757	End	3176
GI	none	Score	267
Exons	2757..3176		

Seq. No.	57241	Seq. ID	OJ000250_61.0419.C13
Gene No.	119871	Strand	+
Start	1	End	9475
Name	OJ000250_61.0419.C13.o2.tw	Method	TBLASTX:Wheat
Start	4368	End	4816
GI	none	Score	293
Exons	4368..4805, 4412..4816		

Seq. No.	57241	Seq. ID	OJ000250_61.0419.C13
Gene No.	119871	Strand	+
Start	1	End	9475
Name	OJ000250_61.0419.C13.o2.tm	Method	TBLASTX:Maize
Start	4532	End	4826
GI	none	Score	238
Exons	4532..4714, 4533..4826		

Seq. No.	57241	Seq. ID	OJ000250_61.0419.C13
Gene No.	119871	Strand	+
Start	1	End	9475
Name	OJ000250_61.0419.C13.o3.tw	Method	TBLASTX:Wheat
Start	4817	End	5102
GI	none	Score	209
Exons	4817..4876, 4818..5102		

Seq. No.	57241	Seq. ID	OJ000250_61.0419.C13
Gene No.	119871	Strand	+
Start	1	End	9475
Name	OJ000250_61.0419.C13.o1.tm	Method	TBLASTX:Maize
Start	4830	End	5102
GI	none	Score	269
Exons	4830..5102, 4841..4972, 5030..5059		

Seq. No.	57241	Seq. ID	OJ000250_61.0419.C13
Gene No.	119871	Strand	+
Start	1	End	9475
Name	OJ000250_61.0419.C13.o3.np	Method	AAT/NAP
Start	5344	End	7066
GI	6498441	Score	454
Exons	5344..6670, 6773..7066		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	57241	Seq. ID	OJ000250_61.0419.C13
Gene No.	119871	Strand	+
Start	1	End	9475
Name	OJ000250_61.0419.C13.o6.np	Method	AAT/NAP
Start	5957	End	7116
GI	629693	Score	578
Exons	5957..7116		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	57241	Seq. ID	OJ000250_61.0419.C13
Gene No.	119871	Strand	+
Start	1	End	9475
Name	OJ000250_61.0419.C13.o2.ts	Method	TBLASTX:Soybean
Start	6111	End	6464
GI	none	Score	239
Exons	6111..6464, 6197..6418		

Seq. No.	57241	Seq. ID	OJ000250_61.0419.C13
Gene No.	119871	Strand	+
Start	1	End	9475
Name	OJ000250_61.0419.C13.o3.ts	Method	TBLASTX:Soybean
Start	6629	End	6856
GI	none	Score	182
Exons	6629..6856		

Seq. No.	57241	Seq. ID	OJ000250_61.0419.C13
Gene No.	119871	Strand	+
Start	1	End	9475
Name	OJ000250_61.0419.C13.o1.tw	Method	TBLASTX:Wheat
Start	6638	End	7051
GI	none	Score	389
Exons	6638..7051, 6646..6714, 6793..6990		

Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119872	Strand	+
Start	1	End	1797
Name	OJ000250_61.0419.C14.o1.np	Method	AAT/NAP
Start	1	End	1794
GI	4680179	Score	2460
Exons	1..1794		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119872	Strand	+
Start	1	End	1797
Name	OJ000250_61.0419.C14.o1.gs	Method	GENSCAN
Start	81	End	1797
GI	none	Score	.74
Exons	81..873, 1108..1797		

Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119873	Strand	+
Start	4046	End	8346
Name	OJ000250_61.0419.C14.o2.gp	Method	AAT/GAP
Start	3867	End	4249
GI	uC-osflcyp033a04b1	Score	696

Exons	3867..4249		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119873	Strand	+
Start	4046	End	8346
Name	OJ000250_61.0419.C14.o3.gs	Method	GENSCAN
Start	4046	End	8262
GI	none	Score	.75
Exons	4046..4117, 5137..5890, 5941..6024, 6195..8056, 8167..8262		
Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119873	Strand	+
Start	4046	End	8346
Name	OJ000250_61.0419.C14.o2.np	Method	AAT/NAP
Start	6195	End	8346
GI	4680179	Score	1896
Exons	6195..7285, 7319..8346		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119874	Strand	-
Start	2486	End	2956
Name	OJ000250_61.0419.C14.o7.tw	Method	TBLASTX:Wheat
Start	2	End	213
GI	none	Score	77
Exons	2..49, 3..62, 22..213, 45..212		
Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119874	Strand	-
Start	2486	End	2956
Name	OJ000250_61.0419.C14.o5.tm	Method	TBLASTX:Maize
Start	3	End	216
GI	none	Score	60
Exons	3..47, 75..212, 76..216		
Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119874	Strand	-
Start	2486	End	2956
Name	OJ000250_61.0419.C14.o2.tw	Method	TBLASTX:Wheat
Start	216	End	783
GI	none	Score	641
Exons	216..782, 247..783		
Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119874	Strand	-
Start	2486	End	2956
Name	OJ000250_61.0419.C14.o1.ts	Method	TBLASTX:Soybean
Start	571	End	832
GI	none	Score	286
Exons	571..831, 576..830, 650..832		
Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119874	Strand	-
Start	2486	End	2956
Name	OJ000250_61.0419.C14.o2.tm	Method	TBLASTX:Maize

Start	629	End	921
GI	none	Score	119
Exons	629..817, 630..917, 631..921		

Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119874	Strand	-
Start	2486	End	2956
Name	OJ000250_61.0419.C14.o1.tw	Method	TBLASTX:Wheat
Start	790	End	1416
GI	none	Score	683
Exons	790..1416, 846..1304, 1162..1413		

Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119874	Strand	-
Start	2486	End	2956
Name	OJ000250_61.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	970	End	1569
GI	none	Score	216
Exons	970..1131, 973..1059, 975..1133, 978..1124, 1128..1196, 1128..1553, 1129..1569		

Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119874	Strand	-
Start	2486	End	2956
Name	OJ000250_61.0419.C14.o4.tw	Method	TBLASTX:Wheat
Start	1416	End	1749
GI	none	Score	321
Exons	1416..1685, 1417..1749, 1420..1728		

Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119874	Strand	-
Start	2486	End	2956
Name	OJ000250_61.0419.C14.o2.gs	Method	GENSCAN
Start	2486	End	2956
GI	none	Score	.99
Exons	2486..2956		

Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119875	Strand	
Start	6425	End	7018
Name	OJ000250_61.0419.C14.o5.tw	Method	TBLASTX:Wheat
Start	6425	End	6787
GI	none	Score	285
Exons	6425..6787, 6440..6589, 6457..6786		

Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119875	Strand	
Start	6425	End	7018
Name	OJ000250_61.0419.C14.o4.tm	Method	TBLASTX:Maize
Start	6671	End	6973
GI	none	Score	225
Exons	6671..6973, 6682..6846		

Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119875	Strand	
Start	6425	End	7018
Name	OJ000250_61.0419.C14.o8.tw	Method	TBLASTX:Wheat

Start	6788	End	7018
GI	none	Score	175
Exons	6788..7018		

Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119876	Strand	
Start	7331	End	7759
Name	OJ000250_61.0419.C14.o6.tm	Method	TBLASTX:Maize
Start	7331	End	7654
GI	none	Score	185
Exons	7331..7654		

Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119876	Strand	
Start	7331	End	7759
Name	OJ000250_61.0419.C14.o6.tw	Method	TBLASTX:Wheat
Start	7337	End	7759
GI	none	Score	164
Exons	7337..7546, 7393..7545, 7591..7704, 7592..7759		

Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119877	Strand	
Start	7870	End	8316
Name	OJ000250_61.0419.C14.o3.tw	Method	TBLASTX:Wheat
Start	7870	End	8316
GI	none	Score	48
Exons	7870..8055, 7874..7924, 7979..8041, 8007..8144, 8031..8144, 8140..8316, 8148..8315		

Seq. No.	57242	Seq. ID	OJ000250_61.0419.C14
Gene No.	119877	Strand	
Start	7870	End	8316
Name	OJ000250_61.0419.C14.o3.tm	Method	TBLASTX:Maize
Start	7979	End	8316
GI	none	Score	49
Exons	7979..8044, 8025..8147, 8140..8316		

Seq. No.	57243	Seq. ID	OJ000250_61.0419.C15
Gene No.	119878	Strand	+
Start	1	End	2396
Name	OJ000250_61.0419.C15.o2.np	Method	AAT/NAP
Start	1	End	347
GI	4680183	Score	132
Exons	1..127, 256..347		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	57243	Seq. ID	OJ000250_61.0419.C15
Gene No.	119878	Strand	+
Start	1	End	2396
Name	OJ000250_61.0419.C15.o3.np	Method	AAT/NAP
Start	1	End	2396
GI	6815109	Score	326
Exons	1..37, 1044..2113, 2148..2396		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	57243	Seq. ID	OJ000250_61.0419.C15
Gene No.	119879	Strand	-

Start	135	End	225
Name	OJ000250_61.0419.C15.o1.np	Method	AAT/NAP
Start	135	End	225
GI	6721561	Score	123
Exons	135..225		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57244	Seq. ID	OJ000250_61.0419.C16
Gene No.	119880	Strand	+
Start	642	End	5193
Name	OJ000250_61.0419.C16.o2.gp	Method	AAT/GAP
Start	642	End	1023
GI	uC-osf1cyp033a04b1	Score	667
Exons	642..1023		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	57244	Seq. ID	OJ000250_61.0419.C16
Gene No.	119880	Strand	+
Start	642	End	5193
Name	OJ000250_61.0419.C16.o1.gs	Method	GENSCAN
Start	746	End	5193
GI	none	Score	.74
Exons	746..810, 1466..1494, 2125..2311, 2566..3220, 3598..3909, 4231..4393, 4799..4873, 5111..5193		

Seq. No.	57244	Seq. ID	OJ000250_61.0419.C16
Gene No.	119881	Strand	-
Start	575	End	775
Name	OJ000250_61.0419.C16.o1.np	Method	AAT/NAP
Start	575	End	775
GI	4680186	Score	330
Exons	575..775		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	57244	Seq. ID	OJ000250_61.0419.C16
Gene No.	119882	Strand	-
Start	5768	End	7579
Name	OJ000250_61.0419.C16.o3.gp	Method	AAT/GAP
Start	5546	End	6039
GI	576771	Score	784
Exons	5546..5756, 5783..6039		
GI Descrip.	576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	57244	Seq. ID	OJ000250_61.0419.C16
Gene No.	119882	Strand	-
Start	5768	End	7579
Name	OJ000250_61.0419.C16.o2.gs	Method	GENSCAN
Start	5768	End	7579
GI	none	Score	.44
Exons	5768..5919, 7444..7579		

Seq. No.	57245	Seq. ID	OJ000250_61.0419.C17
Gene No.	119883	Strand	+
Start	1605	End	2168
Name	OJ000250_61.0419.C17.o1.gs	Method	GENSCAN
Start	1605	End	2168
GI	none	Score	.57
Exons	1605..1862, 1951..2073, 2115..2168		

Seq. No.	57245	Seq. ID	OJ000250_61.0419.C17
Gene No.	119884	Strand	-
Start	2709	End	6218
Name	OJ000250_61.0419.C17.o1.np	Method	AAT/NAP
Start	2694	End	3206
GI	2583132	Score	200
Exons	2694..3206		
GI Descrip.	(AC002387) putative auxin-induced protein [Arabidopsis thaliana]		

Seq. No.	57245	Seq. ID	OJ000250_61.0419.C17
Gene No.	119884	Strand	-
Start	2709	End	6218
Name	OJ000250_61.0419.C17.o2.gs	Method	GENSCAN
Start	2709	End	5080
GI	none	Score	.43
Exons	2709..3243, 4213..5080		

Seq. No.	57245	Seq. ID	OJ000250_61.0419.C17
Gene No.	119884	Strand	-
Start	2709	End	6218
Name	OJ000250_61.0419.C17.o1.tc	Method	TBLASTX:Cress
Start	2778	End	2978
GI	none	Score	89
Exons	2778..2912, 2779..2913, 2913..2978		

Seq. No.	57245	Seq. ID	OJ000250_61.0419.C17
Gene No.	119884	Strand	-
Start	2709	End	6218
Name	OJ000250_61.0419.C17.o2.ts	Method	TBLASTX:Soybean
Start	2778	End	2978
GI	none	Score	81
Exons	2778..2912, 2782..2913, 2898..2978, 2899..2943		

Seq. No.	57245	Seq. ID	OJ000250_61.0419.C17
Gene No.	119884	Strand	-
Start	2709	End	6218
Name	OJ000250_61.0419.C17.o1.gp	Method	AAT/GAP
Start	2914	End	3286
GI	5038744	Score	706
Exons	2914..3286		

Seq. No.	57245	Seq. ID	OJ000250_61.0419.C17
Gene No.	119884	Strand	-
Start	2709	End	6218
Name	OJ000250_61.0419.C17.o2.np	Method	AAT/NAP
Start	4331	End	6218
GI	6466937	Score	1106
Exons	4331..6218		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis		

thaliana]

Seq. No.	57245	Seq. ID	OJ000250_61.0419.C17
Gene No.	119884	Strand	-
Start	2709	End	6218
Name	OJ000250_61.0419.C17.o2.tm	Method	TBLASTX:Maize
Start	4437	End	5006
GI	none	Score	83
Exons	4437..4577, 4437..5006, 4462..4596, 4681..4911		

Seq. No.	57245	Seq. ID	OJ000250_61.0419.C17
Gene No.	119884	Strand	-
Start	2709	End	6218
Name	OJ000250_61.0419.C17.o3.tw	Method	TBLASTX:Wheat
Start	4644	End	4844
GI	none	Score	61
Exons	4644..4844, 4677..4832, 4690..4833		

Seq. No.	57245	Seq. ID	OJ000250_61.0419.C17
Gene No.	119884	Strand	-
Start	2709	End	6218
Name	OJ000250_61.0419.C17.o2.tw	Method	TBLASTX:Wheat
Start	4845	End	5429
GI	none	Score	135
Exons	4845..4985, 5049..5429, 5050..5337, 5136..5429		

Seq. No.	57245	Seq. ID	OJ000250_61.0419.C17
Gene No.	119884	Strand	-
Start	2709	End	6218
Name	OJ000250_61.0419.C17.o1.tm	Method	TBLASTX:Maize
Start	5049	End	5684
GI	none	Score	404
Exons	5049..5684, 5050..5682		

Seq. No.	57245	Seq. ID	OJ000250_61.0419.C17
Gene No.	119884	Strand	-
Start	2709	End	6218
Name	OJ000250_61.0419.C17.o1.ts	Method	TBLASTX:Soybean
Start	5277	End	5660
GI	none	Score	165
Exons	5277..5660, 5281..5601, 5301..5630		

Seq. No.	57245	Seq. ID	OJ000250_61.0419.C17
Gene No.	119884	Strand	-
Start	2709	End	6218
Name	OJ000250_61.0419.C17.o1.tw	Method	TBLASTX:Wheat
Start	5517	End	5915
GI	none	Score	147
Exons	5517..5915, 5518..5874		

Seq. No.	57245	Seq. ID	OJ000250_61.0419.C17
Gene No.	119884	Strand	-
Start	2709	End	6218
Name	OJ000250_61.0419.C17.o3.tm	Method	TBLASTX:Maize
Start	5808	End	6194
GI	none	Score	138
Exons	5808..5903, 5844..6182, 5937..6194, 5941..6192		

Seq. No.	57246	Seq. ID	OJ000250_61.0419.C19
Gene No.	119885	Strand	-
Start	348	End	1438
Name	OJ000250_61.0419.C19.o1.np	Method	AAT/NAP
Start	348	End	1438
GI	6069653	Score	579
Exons	348..1291, 1370..1438		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	57247	Seq. ID	OJ000250_61.0419.C20
Gene No.	119886	Strand	-
Start	155	End	1331
Name	OJ000250_61.0419.C20.o1.gs	Method	GENSCAN
Start	155	End	1331
GI	none	Score	.78
Exons	155..279, 451..656, 832..1012, 1170..1331		

Seq. No.	57247	Seq. ID	OJ000250_61.0419.C20
Gene No.	119887	Strand	-
Start	1584	End	1693
Name	OJ000250_61.0419.C20.o1.gp	Method	AAT/GAP
Start	1584	End	1693
GI	LIB3477-003-P1-K1-E9	Score	167
Exons	1584..1693		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	57248	Seq. ID	OJ000250_61.0419.C21
Gene No.	119888	Strand	+
Start	5356	End	5803
Name	OJ000250_61.0419.C21.o2.gs	Method	GENSCAN
Start	5356	End	5803
GI	none	Score	.5
Exons	5356..5371, 5787..5803		

Seq. No.	57248	Seq. ID	OJ000250_61.0419.C21
Gene No.	119889	Strand	-
Start	1	End	5359
Name	OJ000250_61.0419.C21.o1.np	Method	AAT/NAP
Start	1	End	410
GI	4680186	Score	177
Exons	1..36, 249..410		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	57248	Seq. ID	OJ000250_61.0419.C21
Gene No.	119889	Strand	-
Start	1	End	5359
Name	OJ000250_61.0419.C21.o2.np	Method	AAT/NAP
Start	1	End	5359
GI	4539658	Score	225
Exons	1..38, 912..1008, 3183..3351, 3591..3719, 5325..5359		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	57248	Seq. ID	OJ000250_61.0419.C21

Gene No.	119890	Strand	-
Start	7060	End	8969
Name	OJ000250_61.0419.C21.o1.tm	Method	TBLASTX:Maize
Start	2961	End	3815
GI	none	Score	97
Exons	2961..3077, 2961..3080, 3016..3093, 3065..3175, 3071..3175, 3572..3700, 3590..3697, 3685..3801, 3686..3814, 3693..3815, 3695..3814		

Seq. No.	57248	Seq. ID	OJ000250_61.0419.C21
Gene No.	119890	Strand	-
Start	7060	End	8969
Name	OJ000250_61.0419.C21.o3.gs	Method	GENSCAN
Start	7060	End	8865
GI	none	Score	.76
Exons	7060..7164, 7281..7355, 7479..7554, 7669..7717, 8421..8610, 8692..8865		

Seq. No.	57248	Seq. ID	OJ000250_61.0419.C21
Gene No.	119890	Strand	-
Start	7060	End	8969
Name	OJ000250_61.0419.C21.o3.np	Method	AAT/NAP
Start	7090	End	8969
GI	7486543	Score	266
Exons	7090..7221, 7281..7355, 7479..7554, 7669..7717, 8784..8969		
GI Descrip.	hypothetical protein F6N15.22 - Arabidopsis thaliana gi|3193331|gb|AAC19313.1| (AF069299) F6N15.22 gene product [Arabidopsis thaliana] gi|7267105|emb|CAB80776.1| (AL161471) putative YABBY3 axial regulator [Arabidopsis thaliana]		

Seq. No.	57249	Seq. ID	OJ000250_61.0419.C22
Gene No.	119891	Strand	-
Start	1	End	129
Name	OJ000250_61.0419.C22.o1.gp	Method	AAT/GAP
Start	1	End	129
GI	2310646	Score	249
Exons	1..129		

Seq. No.	57249	Seq. ID	OJ000250_61.0419.C22
Gene No.	119892	Strand	-
Start	3037	End	7859
Name	OJ000250_61.0419.C22.o1.np	Method	AAT/NAP
Start	3037	End	5520
GI	6630463	Score	688
Exons	3037..3056, 4769..4908, 4982..5290, 5322..5520		
GI Descrip.	(AC007190) F23N19.6 [Arabidopsis thaliana]		

Seq. No.	57249	Seq. ID	OJ000250_61.0419.C22
Gene No.	119892	Strand	-
Start	3037	End	7859
Name	OJ000250_61.0419.C22.o2.gs	Method	GENSCAN
Start	4345	End	7859
GI	none	Score	.67
Exons	4345..4908, 4982..5253, 5361..5573, 6386..6486, 7792..7859		

Seq. No.	57249	Seq. ID	OJ000250_61.0419.C22
Gene No.	119893	Strand	-

Start	8803	End	9062
Name	OJ000250_61.0419.C22.o1.tm	Method	TBLASTX:Maize
Start	4801	End	5255
GI	none	Score	84
Exons	4801..4833, 4845..4907, 4846..4908, 4846..4932, 4947..5249, 4991..5251, 4992..5255		

Seq. No.	57249	Seq. ID	OJ000250_61.0419.C22
Gene No.	119893	Strand	-
Start	8803	End	9062
Name	OJ000250_61.0419.C22.o1.ts	Method	TBLASTX:Soybean
Start	4870	End	5258
GI	none	Score	53
Exons	4870..4914, 4874..4915, 4997..5095, 5007..5093, 5102..5254, 5121..5258		

Seq. No.	57249	Seq. ID	OJ000250_61.0419.C22
Gene No.	119893	Strand	-
Start	8803	End	9062
Name	OJ000250_61.0419.C22.o1.tw	Method	TBLASTX:Wheat
Start	4997	End	5221
GI	none	Score	95
Exons	4997..5221, 5016..5144		

Seq. No.	57249	Seq. ID	OJ000250_61.0419.C22
Gene No.	119893	Strand	-
Start	8803	End	9062
Name	OJ000250_61.0419.C22.o1.tc	Method	TBLASTX:Cress
Start	5013	End	5511
GI	none	Score	53
Exons	5013..5087, 5021..5089, 5021..5095, 5022..5093, 5105..5254, 5106..5255, 5127..5258, 5131..5256, 5362..5379, 5368..5511, 5431..5511		

Seq. No.	57249	Seq. ID	OJ000250_61.0419.C22
Gene No.	119893	Strand	-
Start	8803	End	9062
Name	OJ000250_61.0419.C22.o3.gs	Method	GENSCAN
Start	8803	End	9062
GI	none	Score	.79
Exons	8803..9062		

Seq. No.	57250	Seq. ID	OJ000250_61.0419.C25
Gene No.	119894	Strand	-
Start	1	End	1105
Name	OJ000250_61.0419.C25.o1.np	Method	AAT/NAP
Start	1	End	1105
GI	2498930	Score	728
Exons	1..412, 580..648, 1063..1105		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	57250	Seq. ID	OJ000250_61.0419.C25
Gene No.	119894	Strand	-
Start	1	End	1105
Name	OJ000250_61.0419.C25.o1.gs	Method	GENSCAN
Start	18	End	698

GI	none	Score	.98
Exons	18..412, 580..698		

Seq. No.	57251	Seq. ID	OJ000250_61.0419.C27
Gene No.	119895	Strand	+
Start	380	End	594
Name	OJ000250_61.0419.C27.o1.gs	Method	GENSCAN
Start	380	End	594
GI	none	Score	.74
Exons	380..426, 489..594		

Seq. No.	57252	Seq. ID	OJ000250_61.0419.C28
Gene No.	119896	Strand	+
Start	1	End	339
Name	OJ000250_61.0419.C28.o1.np	Method	AAT/NAP
Start	1	End	339
GI	5669782	Score	70
Exons	1..339		
GI Descrip.	(AF108010) Hv1LRR2 [Hordeum vulgare]		

Seq. No.	57252	Seq. ID	OJ000250_61.0419.C28
Gene No.	119897	Strand	-
Start	510	End	946
Name	OJ000250_61.0419.C28.o1.gp	Method	AAT/GAP
Start	510	End	705
GI	14944_1.R1084	Score	296
Exons	510..705		
GI Descrip.	'4154281 5.0e-50 (AF082347) C13 endopeptidase NP1 precursor [Zea mays]'		

Seq. No.	57252	Seq. ID	OJ000250_61.0419.C28
Gene No.	119897	Strand	-
Start	510	End	946
Name	OJ000250_61.0419.C28.o2.np	Method	AAT/NAP
Start	517	End	946
GI	5882745	Score	180
Exons	517..705, 926..946		
GI Descrip.	(AC008263) F25A4.24 [Arabidopsis thaliana]		

Seq. No.	57252	Seq. ID	OJ000250_61.0419.C28
Gene No.	119897	Strand	-
Start	510	End	946
Name	OJ000250_61.0419.C28.o1.tc	Method	TBLASTX:Cress
Start	520	End	688
GI	none	Score	110
Exons	520..681, 521..688, 522..677, 524..682		

Seq. No.	57252	Seq. ID	OJ000250_61.0419.C28
Gene No.	119897	Strand	-
Start	510	End	946
Name	OJ000250_61.0419.C28.o1.ts	Method	TBLASTX:Soybean
Start	527	End	682
GI	none	Score	117
Exons	527..616, 529..681, 533..682		

Seq. No.	57252	Seq. ID	OJ000250_61.0419.C28
Gene No.	119897	Strand	-

Start	510	End	946
Name	OJ000250_61.0419.C28.o1.gs	Method	GENSCAN
Start	529	End	705
GI	none	Score	.96
Exons	529..705		

Seq. No.	57253	Seq. ID	OJ000250_61.0419.C29
Gene No.	119898	Strand	+
Start	1173	End	5821
Name	OJ000250_61.0419.C29.o1.np	Method	AAT/NAP
Start	1173	End	5821
GI	1351409	Score	1201
Exons	1173..1261, 1616..1781, 2515..2679, 2858..3014, 3089..3174, 3262..3462, 4051..4099, 4165..4371, 5440..5646, 5775..5821		
GI Descrip.	VACUOLAR PROCESSING ENZYME PRECURSOR (VPE) gi|543699|pir||JQ2387 vacuolar processing enzyme (EC 3.4.22.-) precursor - castor bean gi|471162|dbj|BAA04225.1| (D17401) precursor of vacuolar processing enzyme [Ricinus communis]		

Seq. No.	57253	Seq. ID	OJ000250_61.0419.C29
Gene No.	119898	Strand	+
Start	1173	End	5821
Name	OJ000250_61.0419.C29.o2.gs	Method	GENSCAN
Start	1608	End	5646
GI	none	Score	.87
Exons	1608..1781, 2515..2679, 3262..3462, 4070..4099, 4165..4371, 4826..4894, 5440..5646		

Seq. No.	57253	Seq. ID	OJ000250_61.0419.C29
Gene No.	119898	Strand	+
Start	1173	End	5821
Name	OJ000250_61.0419.C29.o1.gp	Method	AAT/GAP
Start	1738	End	3123
GI	569631	Score	690
Exons	1738..1781, 2515..2679, 2858..3015, 3089..3123		
GI Descrip.	4154281 5.0e-50 (AF082347) C13 endopeptidase NP1 precursor [Zea mays]		

Seq. No.	57253	Seq. ID	OJ000250_61.0419.C29
Gene No.	119899	Strand	-
Start	140	End	823
Name	OJ000250_61.0419.C29.o1.gs	Method	GENSCAN
Start	140	End	823
GI	none	Score	.95
Exons	140..394, 668..823		

Seq. No.	57253	Seq. ID	OJ000250_61.0419.C29
Gene No.	119900	Strand	
Start	1622	End	5821
Name	OJ000250_61.0419.C29.o1.tm	Method	TBLASTX:Maize
Start	1622	End	5821
GI	none	Score	65
Exons	1622..1657, 1623..1658, 1724..1780, 1725..1781, 2512..2679, 2513..2680, 2514..2681, 2848..2961, 2855..3016, 2857..3015, 3082..3177, 3084..3176, 3261..3449, 3262..3444, 3966..4100, 4046..4102, 4163..4369, 4164..4370, 4165..4371, 4165..4377, 5421..5648, 5422..5649, 5438..5650, 5439..5660, 5754..5819,		

5774..5821

Seq. No.	57253	Seq. ID	OJ000250_61.0419.C29
Gene No.	119900	Strand	
Start	1622	End	5821
Name	OJ000250_61.0419.C29.o1.tc	Method	TBLASTX:Cress
Start	1626	End	5819
GI	none	Score	38
Exons	1626..1658, 1724..1780, 1725..1781, 2512..2679, 2514..2681, 2855..3016, 2857..3015, 3082..3177, 3082..3174, 3261..3443, 3262..3444, 4036..4080, 4046..4108, 4164..4289, 4165..4293, 4297..4383, 5422..5562, 5584..5649, 5754..5819		

Seq. No.	57253	Seq. ID	OJ000250_61.0419.C29
Gene No.	119900	Strand	
Start	1622	End	5821
Name	OJ000250_61.0419.C29.o1.ts	Method	TBLASTX:Soybean
Start	1724	End	5819
GI	none	Score	102
Exons	1724..1777, 1725..1781, 2512..2679, 2514..2681, 2855..3016, 2855..3013, 2857..3015, 3081..3176, 3082..3177, 3261..3443, 3262..3444, 4046..4102, 4164..4280, 4165..4290, 4330..4383, 4330..4368, 5440..5649, 5754..5819		

Seq. No.	57253	Seq. ID	OJ000250_61.0419.C29
Gene No.	119900	Strand	
Start	1622	End	5821
Name	OJ000250_61.0419.C29.o1.tw	Method	TBLASTX:Wheat
Start	1724	End	2681
GI	none	Score	96
Exons	1724..1780, 1725..1781, 2512..2679, 2513..2668, 2514..2681		

Seq. No.	57253	Seq. ID	OJ000250_61.0419.C29
Gene No.	119900	Strand	
Start	1622	End	5821
Name	OJ000250_61.0419.C29.o2.tw	Method	TBLASTX:Wheat
Start	3262	End	4269
GI	none	Score	258
Exons	3262..3444, 3273..3449, 4046..4102, 4165..4269		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119901	Strand	+
Start	1	End	182
Name	OJ000250_61.0419.C30.o1.np	Method	AAT/NAP
Start	1	End	182
GI	4154279	Score	216
Exons	1..182		
GI Descrip.	(AF082346) C13 endopeptidase NP1 precursor [Hordeum vulgare]		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119902	Strand	+
Start	4449	End	7411
Name	OJ000250_61.0419.C30.o3.gs	Method	GENSCAN
Start	4449	End	7411
GI	none	Score	.63
Exons	4449..4777, 5871..5980, 6314..6421, 6733..6876, 6918..7411		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119903	Strand	+
Start	9441	End	10040
Name	OJ000250_61.0419.C30.o5.gs	Method	GENSCAN
Start	9441	End	10040
GI	none	Score	1
Exons	9441..10040		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119904	Strand	+
Start	18200	End	18372
Name	OJ000250_61.0419.C30.o4.np	Method	AAT/NAP
Start	18200	End	18372
GI	6907088	Score	220
Exons	18200..18372		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119905	Strand	-
Start	1	End	106
Name	OJ000250_61.0419.C30.o1.gp	Method	AAT/GAP
Start	1	End	106
GI	none	Score	165
Exons	1..106		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119906	Strand	-
Start	469	End	992
Name	OJ000250_61.0419.C30.o2.gp	Method	AAT/GAP
Start	469	End	992
GI	none	Score	635
Exons	469..710, 884..992		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119907	Strand	-
Start	1795	End	3407
Name	OJ000250_61.0419.C30.o2.gs	Method	GENSCAN
Start	1795	End	3305
GI	none	Score	.85
Exons	1795..1942, 2152..2275, 2582..3305		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119907	Strand	-
Start	1795	End	3407
Name	OJ000250_61.0419.C30.o3.gp	Method	AAT/GAP
Start	2987	End	3407
GI	uC-osrocyp007c03b1	Score	842
Exons	2987..3407		
GI Descrip.	'2245012/emb|CAB10432.1| 2.0e-37 (Z97341) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119908	Strand	-
Start	7659	End	8151
Name	OJ000250_61.0419.C30.o4.gs	Method	GENSCAN
Start	7659	End	8151
GI	none	Score	.43

Exons	7659..7732, 8142..8151		
Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119909	Strand	-
Start	11218	End	17176
Name	OJ000250_61.0419.C30.o2.np	Method	AAT/NAP
Start	11189	End	15765
GI	4680179	Score	4565
Exons	11189..14606, 14709..15765		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119909	Strand	-
Start	11218	End	17176
Name	OJ000250_61.0419.C30.o6.gs	Method	GENSCAN
Start	11218	End	17176
GI	none	Score	.72
Exons	11218..11906, 11973..15788, 16276..17176		
Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119909	Strand	-
Start	11218	End	17176
Name	OJ000250_61.0419.C30.o3.np	Method	AAT/NAP
Start	16256	End	17037
GI	6002794	Score	1251
Exons	16256..17037		
GI Descrip.	(AF149813) unknown [Oryza sativa]		
Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o5.ts	Method	TBLASTX:Soybean
Start	1	End	173
GI	none	Score	196
Exons	1..99, 2..172, 3..173		
Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o6.tm	Method	TBLASTX:Maize
Start	1	End	173
GI	none	Score	258
Exons	1..159, 2..172, 3..173		
Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o2.tc	Method	TBLASTX:Cress
Start	2	End	158
GI	none	Score	90
Exons	2..133, 2..148, 3..158		
Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o3.ts	Method	TBLASTX:Soybean
Start	2616	End	3068

GI	none	Score	90
Exons	2616..2735, 2616..2741, 2802..3068, 2869..3051		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o5.tw	Method	TBLASTX:Wheat
Start	11233	End	11566
GI	none	Score	147
Exons	11233..11565, 11254..11526, 11522..11566		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o10.tm	Method	TBLASTX:Maize
Start	11248	End	11406
GI	none	Score	193
Exons	11248..11406		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o1.tm	Method	TBLASTX:Maize
Start	11416	End	12013
GI	none	Score	208
Exons	11416..11853, 11426..11854, 11672..11854, 11851..12009, 11858..12004, 11860..12012, 11861..12013		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o1.tw	Method	TBLASTX:Wheat
Start	11566	End	12192
GI	none	Score	308
Exons	11566..12192, 11567..12097		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o4.tm	Method	TBLASTX:Maize
Start	12061	End	12353
GI	none	Score	53
Exons	12061..12351, 12065..12109, 12161..12340, 12201..12353		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o2.ts	Method	TBLASTX:Soybean
Start	12151	End	12406
GI	none	Score	74
Exons	12151..12279, 12151..12399, 12161..12406		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o1.tc	Method	TBLASTX:Cress
Start	12175	End	12492

GI	none	Score	101
Exons	12175..12318, 12191..12316, 12319..12492, 12373..12471		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o3.tw	Method	TBLASTX:Wheat
Start	12199	End	12723
GI	none	Score	264
Exons	12199..12723, 12203..12571		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o2.tm	Method	TBLASTX:Maize
Start	12766	End	13119
GI	none	Score	161
Exons	12766..13119, 12769..13065, 12771..13097, 12818..13117		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o2.tw	Method	TBLASTX:Wheat
Start	12766	End	13192
GI	none	Score	113
Exons	12766..13191, 12768..13130, 12781..13134, 12803..13192		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o4.ts	Method	TBLASTX:Soybean
Start	12940	End	13185
GI	none	Score	205
Exons	12940..13185		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o5.tm	Method	TBLASTX:Maize
Start	13126	End	13473
GI	none	Score	67
Exons	13126..13473, 13271..13441		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o6.tw	Method	TBLASTX:Wheat
Start	13198	End	13494
GI	none	Score	174
Exons	13198..13494, 13235..13450		

Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o1.ts	Method	TBLASTX:Soybean
Start	13207	End	13602
GI	none	Score	142

Exons	13207..13566, 13235..13450, 13258..13566, 13490..13585, 13570..13602, 13570..13602		
Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o3.tm	Method	TBLASTX:Maize
Start	13489	End	13956
GI	none	Score	134
Exons	13489..13956, 13526..13885		
Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o4.tw	Method	TBLASTX:Wheat
Start	13543	End	14025
GI	none	Score	232
Exons	13543..14025, 13571..13921		
Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o9.tm	Method	TBLASTX:Maize
Start	13957	End	14151
GI	none	Score	157
Exons	13957..14151, 13958..14104		
Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o7.tw	Method	TBLASTX:Wheat
Start	14173	End	14572
GI	none	Score	84
Exons	14173..14337, 14222..14341, 14350..14571, 14417..14572		
Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o8.tm	Method	TBLASTX:Maize
Start	14252	End	14578
GI	none	Score	44
Exons	14252..14335, 14254..14577, 14437..14571, 14465..14578		
Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o7.tm	Method	TBLASTX:Maize
Start	14887	End	15288
GI	none	Score	241
Exons	14887..15288		
Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o8.tw	Method	TBLASTX:Wheat
Start	15169	End	15546
GI	none	Score	268

Exons	15169..15546		
Seq. No.	57254	Seq. ID	OJ000250_61.0419.C30
Gene No.	119910	Strand	-
Start	17619	End	18135
Name	OJ000250_61.0419.C30.o7.gs	Method	GENSCAN
Start	17619	End	18135
GI	none	Score	.93
Exons	17619..17692, 18126..18135		
Seq. No.	57255	Seq. ID	OJ000250_61.0419.C31
Gene No.	119911	Strand	+
Start	214	End	267
Name	OJ000250_61.0419.C31.o1.gs	Method	GENSCAN
Start	214	End	267
GI	none	Score	.46
Exons	214..267		
Seq. No.	57255	Seq. ID	OJ000250_61.0419.C31
Gene No.	119912	Strand	-
Start	1	End	737
Name	OJ000250_61.0419.C31.o1.np	Method	AAT/NAP
Start	1	End	737
GI	6907088	Score	166
Exons	1..62, 238..413, 718..737		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	57255	Seq. ID	OJ000250_61.0419.C31
Gene No.	119912	Strand	-
Start	1	End	737
Name	OJ000250_61.0419.C31.o2.np	Method	AAT/NAP
Start	1	End	737
GI	6069659	Score	123
Exons	1..19, 615..737		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		
Seq. No.	57256	Seq. ID	OJ000250_61.0419.C32
Gene No.	119913	Strand	-
Start	1	End	983
Name	OJ000250_61.0419.C32.o1.np	Method	AAT/NAP
Start	1	End	983
GI	5257279	Score	393
Exons	1..649, 692..983		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		
Seq. No.	57256	Seq. ID	OJ000250_61.0419.C32
Gene No.	119913	Strand	-
Start	1	End	983
Name	OJ000250_61.0419.C32.o1.tw	Method	TBLASTX:Wheat
Start	68	End	464
GI	none	Score	84
Exons	68..229, 114..233, 242..463, 309..464		
Seq. No.	57256	Seq. ID	OJ000250_61.0419.C32
Gene No.	119913	Strand	-
Start	1	End	983

Name	OJ000250_61.0419.C32.o1.tm	Method	TBLASTX:Maize
Start	144	End	470
GI	none	Score	44
Exons	144..227, 146..469, 329..466,	357..470	

Seq. No.	57256	Seq. ID	OJ000250_61.0419.C32
Gene No.	119913	Strand	-
Start	1	End	983
Name	OJ000250_61.0419.C32.o1.gs	Method	GENSCAN
Start	412	End	943
GI	none	Score	.81
Exons	412..943		

Seq. No.	57257	Seq. ID	OJ000250_61.0419.C34
Gene No.	119914	Strand	+
Start	1112	End	1468
Name	OJ000250_61.0419.C34.o1.gs	Method	GENSCAN
Start	1112	End	1468
GI	none	Score	.61
Exons	1112..1468		

Seq. No.	57258	Seq. ID	OJ000250_61.0419.C35
Gene No.	119915	Strand	+
Start	2394	End	2850
Name	OJ000250_61.0419.C35.o1.gp	Method	AAT/GAP
Start	2394	End	2850
GI	5003187	Score	802
Exons	2394..2850		
GI Descrip.	2245012/emb|CAB10432.1| 5.0e-10 (Z97341) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	57258	Seq. ID	OJ000250_61.0419.C35
Gene No.	119916	Strand	-
Start	2174	End	5103
Name	OJ000250_61.0419.C35.o1.gs	Method	GENSCAN
Start	2174	End	4025
GI	none	Score	.74
Exons	2174..2294, 2551..4025		

Seq. No.	57258	Seq. ID	OJ000250_61.0419.C35
Gene No.	119916	Strand	-
Start	2174	End	5103
Name	OJ000250_61.0419.C35.o1.np	Method	AAT/NAP
Start	2582	End	5103
GI	7485159	Score	838
Exons	2582..2821, 2868..3772, 5017..5103		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2245012|emb|CAB10432.1| (Z97341) hypothetical protein [Arabidopsis thaliana] gi|7268406|emb|CAB78698.1| (AL161544) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	57258	Seq. ID	OJ000250_61.0419.C35
Gene No.	119916	Strand	-
Start	2174	End	5103
Name	OJ000250_61.0419.C35.o2.gp	Method	AAT/GAP
Start	2861	End	3145
GI	2442913	Score	511

Exons	2861..3145		
GI Descrip.	2245012/emb|CAB10432.1| 2.0e-11 (Z97341) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	57258	Seq. ID	OJ000250_61.0419.C35
Gene No.	119916	Strand	-
Start	2174	End	5103
Name	OJ000250_61.0419.C35.o1.ts	Method	TBLASTX:Soybean
Start	2994	End	3794
GI	none	Score	58
Exons	2994..3155, 3046..3144, 3171..3257, 3184..3252, 3300..3386, 3301..3369, 3387..3590, 3406..3486, 3541..3597, 3639..3728, 3640..3705, 3741..3794		
Seq. No.	57258	Seq. ID	OJ000250_61.0419.C35
Gene No.	119916	Strand	-
Start	2174	End	5103
Name	OJ000250_61.0419.C35.o1.tc	Method	TBLASTX:Cress
Start	3274	End	3689
GI	none	Score	91
Exons	3274..3375, 3300..3383, 3411..3473, 3415..3459, 3429..3578, 3498..3569, 3612..3689		
Seq. No.	57258	Seq. ID	OJ000250_61.0419.C35
Gene No.	119916	Strand	-
Start	2174	End	5103
Name	OJ000250_61.0419.C35.o3.gp	Method	AAT/GAP
Start	3405	End	3839
GI	5003188	Score	870
Exons	3405..3839		
GI Descrip.	2245012/emb|CAB10432.1| 2.0e-37 (Z97341) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	57259	Seq. ID	OJ000250_61.0419.C36
Gene No.	119917	Strand	+
Start	35	End	931
Name	OJ000250_61.0419.C36.o1.gs	Method	GENSCAN
Start	35	End	931
GI	none	Score	.92
Exons	35..82, 513..668, 770..931		
Seq. No.	57259	Seq. ID	OJ000250_61.0419.C36
Gene No.	119918	Strand	-
Start	1306	End	1451
Name	OJ000250_61.0419.C36.o2.gs	Method	GENSCAN
Start	1306	End	1451
GI	none	Score	.98
Exons	1306..1451		
Seq. No.	57260	Seq. ID	OJ000250_61.0419.C37
Gene No.	119919	Strand	+
Start	2787	End	4095
Name	OJ000250_61.0419.C37.o2.np	Method	AAT/NAP
Start	2787	End	4095
GI	5777617	Score	95
Exons	2787..2818, 3968..4095		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	57260	Seq. ID	OJ000250_61.0419.C37
Gene No.	119920	Strand	-
Start	1	End	8097
Name	OJ000250_61.0419.C37.o1.np	Method	AAT/NAP
Start	1	End	1841
GI	7485159	Score	120
Exons	1..78, 1368..1525, 1714..1841		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2245012|emb|CAB10432.1| (Z97341) hypothetical protein [Arabidopsis thaliana] gi|7268406|emb|CAB78698.1| (AL161544) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	57260	Seq. ID	OJ000250_61.0419.C37
Gene No.	119920	Strand	-
Start	1	End	8097
Name	OJ000250_61.0419.C37.o1.gs	Method	GENSCAN
Start	938	End	8097
GI	none	Score	.87
Exons	938..962, 1448..1525, 1711..1777, 1875..1951, 3375..3421, 3660..3836, 4507..4922, 5036..5072, 6382..6569, 6828..6988, 8057..8097		

Seq. No.	57260	Seq. ID	OJ000250_61.0419.C37
Gene No.	119920	Strand	-
Start	1	End	8097
Name	OJ000250_61.0419.C37.o1.tw	Method	TBLASTX:Wheat
Start	1194	End	1760
GI	none	Score	111
Exons	1194..1238, 1274..1357, 1275..1358, 1281..1373, 1443..1526, 1444..1527, 1450..1527, 1707..1760, 1711..1758		

Seq. No.	57260	Seq. ID	OJ000250_61.0419.C37
Gene No.	119920	Strand	-
Start	1	End	8097
Name	OJ000250_61.0419.C37.o1.gp	Method	AAT/GAP
Start	1232	End	3699
GI	LIB3434-015-P1-K1-H4	Score	972
Exons	1232..1355, 1448..1525, 1711..1777, 1875..1951, 3375..3421, 3523..3699		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 1.0e-14 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	57260	Seq. ID	OJ000250_61.0419.C37
Gene No.	119920	Strand	-
Start	1	End	8097
Name	OJ000250_61.0419.C37.o1.tm	Method	TBLASTX:Maize
Start	1274	End	1954
GI	none	Score	73
Exons	1274..1354, 1274..1357, 1275..1358, 1281..1373, 1444..1527, 1450..1524, 1707..1778, 1711..1779, 1875..1952, 1876..1953, 1876..1953, 1877..1954		

Seq. No.	57260	Seq. ID	OJ000250_61.0419.C37
Gene No.	119920	Strand	-
Start	1	End	8097
Name	OJ000250_61.0419.C37.o2.gp	Method	AAT/GAP

Start	3936	End	4127
GI	5038829	Score	332
Exons	3936..4127		
GI Descrip.	5091496/dbj|AB023482.2|AB023482 1.0e-14 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence		

Seq. No.	57261	Seq. ID	OJ000250_61.0419.C38
Gene No.	119921	Strand	-
Start	60	End	2107
Name	OJ000250_61.0419.C38.o1.gp	Method	AAT/GAP
Start	60	End	991
GI	12954_1.R1084	Score	1020
Exons	60..412, 779..991		
GI Descrip.	'4646206/gb|AAD26879.1|AC007230_13 0.0e+00 (AC007230) Contains similarity to gb_D13630 KIAA0005 gene from Homo sapiens. ESTs gb_T45345, gb_T21086, gb_R90360, gb_T20468, gb_T45191 and gb_AI100459 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	57261	Seq. ID	OJ000250_61.0419.C38
Gene No.	119921	Strand	-
Start	60	End	2107
Name	OJ000250_61.0419.C38.o1.tm	Method	TBLASTX:Maize
Start	320	End	995
GI	none	Score	252
Exons	320..400, 375..407, 761..991, 774..989, 779..991, 780..995		

Seq. No.	57261	Seq. ID	OJ000250_61.0419.C38
Gene No.	119921	Strand	-
Start	60	End	2107
Name	OJ000250_61.0419.C38.o1.np	Method	AAT/NAP
Start	351	End	2107
GI	4646206	Score	320
Exons	351..412, 778..992, 1884..2107		
GI Descrip.	(AC007230) Contains similarity to gb|D13630 KIAA0005 gene from Homo sapiens. ESTs gb|T45345, gb|T21086, gb|R90360, gb|T20468, gb|T45191 and gb|AI100459 come from this gene. [Arabidopsis thaliana]		

Seq. No.	57261	Seq. ID	OJ000250_61.0419.C38
Gene No.	119921	Strand	-
Start	60	End	2107
Name	OJ000250_61.0419.C38.o1.ts	Method	TBLASTX:Soybean
Start	769	End	991
GI	none	Score	135
Exons	769..921, 776..940, 779..946, 780..947, 941..991		

Seq. No.	57261	Seq. ID	OJ000250_61.0419.C38
Gene No.	119921	Strand	-
Start	60	End	2107
Name	OJ000250_61.0419.C38.o1.gs	Method	GENSCAN
Start	780	End	988
GI	none	Score	.43
Exons	780..988		

Seq. No.	57262	Seq. ID	OJ000250_61.0419.C39
Gene No.	119922	Strand	-
Start	1	End	2060

Name	OJ000250_61.0419.C39.o1.np	Method	AAT/NAP
Start	1	End	2060
GI	4646206	Score	955
Exons	1..30, 84..402, 486..982, 1590..1686, 1913..2060		
GI Descrip.	(AC007230) Contains similarity to gb|D13630 KIAA0005 gene from Homo sapiens. ESTs gb|T45345, gb|T21086, gb|R90360, gb|T20468, gb|T45191 and gb|AI100459 come from this gene. [Arabidopsis thaliana]		

Seq. No.	57262	Seq. ID	OJ000250_61.0419.C39
Gene No.	119922	Strand	-
Start	1	End	2060
Name	OJ000250_61.0419.C39.o1.ts	Method	TBLASTX:Soybean
Start	118	End	1658
GI	none	Score	67
Exons	118..189, 138..191, 189..212, 228..332, 229..363, 241..333, 306..416, 331..411, 474..887, 512..889, 532..918, 896..931, 941..982, 945..983, 1593..1628, 1632..1658		

Seq. No.	57262	Seq. ID	OJ000250_61.0419.C39
Gene No.	119922	Strand	-
Start	1	End	2060
Name	OJ000250_61.0419.C39.o1.tm	Method	TBLASTX:Maize
Start	121	End	1660
GI	none	Score	344
Exons	121..408, 133..390, 137..406, 138..407, 465..932, 481..933, 481..933, 485..934, 800..934, 927..971, 928..972, 932..985, 936..983, 1583..1657, 1587..1658, 1587..1658, 1589..1660		

Seq. No.	57262	Seq. ID	OJ000250_61.0419.C39
Gene No.	119922	Strand	-
Start	1	End	2060
Name	OJ000250_61.0419.C39.o1.gp	Method	AAT/GAP
Start	136	End	1658
GI	12954_1.R1084	Score	1557
Exons	136..402, 486..982, 1590..1658		
GI Descrip.	'4646206/gb|AAD26879.1|AC007230_13 0.0e+00 (AC007230) Contains similarity to gb_D13630 KIAA0005 gene from Homo sapiens. ESTs gb_T45345, gb_T21086, gb_R90360, gb_T20468, gb_T45191 and gb_AI100459 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	57262	Seq. ID	OJ000250_61.0419.C39
Gene No.	119922	Strand	-
Start	1	End	2060
Name	OJ000250_61.0419.C39.o1.gs	Method	GENSCAN
Start	141	End	982
GI	none	Score	.77
Exons	141..402, 486..982		

Seq. No.	57262	Seq. ID	OJ000250_61.0419.C39
Gene No.	119922	Strand	-
Start	1	End	2060
Name	OJ000250_61.0419.C39.o1.tc	Method	TBLASTX:Cress
Start	147	End	565
GI	none	Score	235
Exons	147..407, 154..408, 485..565, 486..563		

Seq. No.	57262	Seq. ID	OJ000250_61.0419.C39
Gene No.	119922	Strand	-
Start	1	End	2060
Name	OJ000250_61.0419.C39.o1.tw	Method	TBLASTX:Wheat
Start	596	End	777
GI	none	Score	188
Exons	596..745, 596..745, 597..776, 601..777		

Seq. No.	57262	Seq. ID	OJ000250_61.0419.C39
Gene No.	119922	Strand	-
Start	1	End	2060
Name	OJ000250_61.0419.C39.o2.tc	Method	TBLASTX:Cress
Start	710	End	1660
GI	none	Score	134
Exons	710..745, 780..929, 782..931, 783..932, 930..983, 932..985, 936..1007, 1587..1658, 1588..1659, 1589..1660		

Seq. No.	57263	Seq. ID	OJ000250_61.0419.C40
Gene No.	119923	Strand	+
Start	5054	End	8013
Name	OJ000250_61.0419.C40.o2.gs	Method	GENSCAN
Start	5054	End	8012
GI	none	Score	.48
Exons	5054..5754, 6109..6209, 6305..6401, 6532..6604, 6700..6957, 7104..8012		

Seq. No.	57263	Seq. ID	OJ000250_61.0419.C40
Gene No.	119923	Strand	+
Start	5054	End	8013
Name	OJ000250_61.0419.C40.o2.np	Method	AAT/NAP
Start	5054	End	8013
GI	5902444	Score	3938
Exons	5054..8013		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	57263	Seq. ID	OJ000250_61.0419.C40
Gene No.	119924	Strand	-
Start	802	End	2197
Name	OJ000250_61.0419.C40.o1.gp	Method	AAT/GAP
Start	802	End	2197
GI	12954_1.R1084	Score	161
Exons	802..825, 2119..2197		
GI Descrip.	'4646206/gb|AAD26879.1|AC007230_13 0.0e+00 (AC007230) Contains similarity to gb_D13630 KIAA0005 gene from Homo sapiens. ESTs gb_T45345, gb_T21086, gb_R90360, gb_T20468, gb_T45191 and gb_AI100459 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	57263	Seq. ID	OJ000250_61.0419.C40
Gene No.	119925	Strand	-
Start	2232	End	2861
Name	OJ000250_61.0419.C40.o1.gs	Method	GENSCAN
Start	2232	End	2861
GI	none	Score	.59
Exons	2232..2431, 2618..2861		

Seq. No.	57263	Seq. ID	OJ000250_61.0419.C40
Gene No.	119926	Strand	

Start	6370	End	6771
Name	OJ000250_61.0419.C40.o2.tw	Method	TBLASTX:Wheat
Start	6370	End	6771
GI	none	Score	198
Exons	6370..6771		

Seq. No.	57263	Seq. ID	OJ000250_61.0419.C40
Gene No.	119927	Strand	
Start	7350	End	7805
Name	OJ000250_61.0419.C40.o1.tw	Method	TBLASTX:Wheat
Start	7350	End	7805
GI	none	Score	147
Exons	7350..7526, 7569..7805, 7571..7795		

Seq. No.	57264	Seq. ID	OJ000250_61.0419.C41
Gene No.	119928	Strand	+
Start	1	End	392
Name	OJ000250_61.0419.C41.o1.np	Method	AAT/NAP
Start	1	End	392
GI	5902444	Score	560
Exons	1..392		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	57264	Seq. ID	OJ000250_61.0419.C41
Gene No.	119928	Strand	+
Start	1	End	392
Name	OJ000250_61.0419.C41.o1.tw	Method	TBLASTX:Wheat
Start	1	End	184
GI	none	Score	195
Exons	1..147, 2..184		

Seq. No.	57264	Seq. ID	OJ000250_61.0419.C41
Gene No.	119928	Strand	+
Start	1	End	392
Name	OJ000250_61.0419.C41.o1.tm	Method	TBLASTX:Maize
Start	37	End	214
GI	none	Score	181
Exons	37..162, 38..214		

Seq. No.	57264	Seq. ID	OJ000250_61.0419.C41
Gene No.	119928	Strand	+
Start	1	End	392
Name	OJ000250_61.0419.C41.o1.gs	Method	GENSCAN
Start	89	End	391
GI	none	Score	.91
Exons	89..391		

Seq. No.	57265	Seq. ID	OJ000250_61.0419.C42
Gene No.	119929	Strand	+
Start	1749	End	4151
Name	OJ000250_61.0419.C42.o1.gs	Method	GENSCAN
Start	1749	End	4151
GI	none	Score	.81
Exons	1749..1802, 2263..2320, 2871..3008, 3435..3593, 3988..4151		

Seq. No.	57265	Seq. ID	OJ000250_61.0419.C42
Gene No.	119930	Strand	+

Start	5686	End	8793
Name	OJ000250_61.0419.C42.o1.np	Method	AAT/NAP
Start	5686	End	8793
GI	5902445	Score	4753
Exons	5686..8793		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	57265	Seq. ID	OJ000250_61.0419.C42
Gene No.	119931	Strand	-
Start	4311	End	5370
Name	OJ000250_61.0419.C42.o2.gs	Method	GENSCAN
Start	4311	End	5370
GI	none	Score	.98
Exons	4311..4339, 4578..4673, 4766..4924, 5295..5370		

Seq. No.	57265	Seq. ID	OJ000250_61.0419.C42
Gene No.	119932	Strand	-
Start	9122	End	12055
Name	OJ000250_61.0419.C42.o4.gs	Method	GENSCAN
Start	9122	End	12055
GI	none	Score	.64
Exons	9122..9376, 9445..9575, 9827..10070, 10396..10583, 10614..10714, 10797..11117, 11271..12055		

Seq. No.	57265	Seq. ID	OJ000250_61.0419.C42
Gene No.	119932	Strand	-
Start	9122	End	12055
Name	OJ000250_61.0419.C42.o2.np	Method	AAT/NAP
Start	9125	End	12055
GI	6691716	Score	2633
Exons	9125..9575, 9650..9765, 9916..10016, 10091..10278, 10356..10537, 10614..10714, 10797..10993, 11181..12055		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	57265	Seq. ID	OJ000250_61.0419.C42
Gene No.	119933	Strand	-
Start	16649	End	17154
Name	OJ000250_61.0419.C42.o3.tw	Method	TBLASTX:Wheat
Start	4361	End	8041
GI	none	Score	405
Exons	4361..4396, 4410..4448, 7654..7965, 7655..8041, 7856..8041		

Seq. No.	57265	Seq. ID	OJ000250_61.0419.C42
Gene No.	119933	Strand	-
Start	16649	End	17154
Name	OJ000250_61.0419.C42.o6.tw	Method	TBLASTX:Wheat
Start	5682	End	5986
GI	none	Score	328
Exons	5682..5984, 5683..5985, 5749..5985, 5822..5986		

Seq. No.	57265	Seq. ID	OJ000250_61.0419.C42
Gene No.	119933	Strand	-
Start	16649	End	17154
Name	OJ000250_61.0419.C42.o3.tm	Method	TBLASTX:Maize
Start	5761	End	6111

GI	none	Score	354
Exons	5761..6111, 5802..6107		

Seq. No.	57265	Seq. ID	OJ000250_61.0419.C42
Gene No.	119933	Strand	-
Start	16649	End	17154
Name	OJ000250_61.0419.C42.o1.tw	Method	TBLASTX:Wheat
Start	5986	End	6405
GI	none	Score	447
Exons	5986..6405, 5988..6404		

Seq. No.	57265	Seq. ID	OJ000250_61.0419.C42
Gene No.	119933	Strand	-
Start	16649	End	17154
Name	OJ000250_61.0419.C42.o1.ts	Method	TBLASTX:Soybean
Start	6250	End	6681
GI	none	Score	302
Exons	6250..6681, 6297..6647		

Seq. No.	57265	Seq. ID	OJ000250_61.0419.C42
Gene No.	119933	Strand	-
Start	16649	End	17154
Name	OJ000250_61.0419.C42.o2.tm	Method	TBLASTX:Maize
Start	6349	End	6792
GI	none	Score	272
Exons	6349..6603, 6381..6602, 6631..6768, 6637..6756, 6766..6792		

Seq. No.	57265	Seq. ID	OJ000250_61.0419.C42
Gene No.	119933	Strand	-
Start	16649	End	17154
Name	OJ000250_61.0419.C42.o2.tw	Method	TBLASTX:Wheat
Start	6447	End	6879
GI	none	Score	426
Exons	6447..6659, 6451..6879		

Seq. No.	57265	Seq. ID	OJ000250_61.0419.C42
Gene No.	119933	Strand	-
Start	16649	End	17154
Name	OJ000250_61.0419.C42.o2.ts	Method	TBLASTX:Soybean
Start	6915	End	7295
GI	none	Score	132
Exons	6915..7121, 6916..7122, 7171..7293, 7176..7295		

Seq. No.	57265	Seq. ID	OJ000250_61.0419.C42
Gene No.	119933	Strand	-
Start	16649	End	17154
Name	OJ000250_61.0419.C42.o4.tw	Method	TBLASTX:Wheat
Start	6916	End	7329
GI	none	Score	383
Exons	6916..7329, 6921..7262		

Seq. No.	57265	Seq. ID	OJ000250_61.0419.C42
Gene No.	119933	Strand	-
Start	16649	End	17154
Name	OJ000250_61.0419.C42.o1.tm	Method	TBLASTX:Maize
Start	7648	End	7978
GI	none	Score	419

Exons	7648..7977, 7649..7978		
Seq. No.	57265	Seq. ID	OJ000250_61.0419.C42
Gene No.	119933	Strand	-
Start	16649	End	17154
Name	OJ000250_61.0419.C42.o5.tw	Method	TBLASTX:Wheat
Start	8156	End	8784
GI	none	Score	134
Exons	8156..8296, 8176..8244, 8361..8432, 8362..8661, 8647..8784		
Seq. No.	57265	Seq. ID	OJ000250_61.0419.C42
Gene No.	119933	Strand	-
Start	16649	End	17154
Name	OJ000250_61.0419.C42.o4.tm	Method	TBLASTX:Maize
Start	8491	End	8745
GI	none	Score	170
Exons	8491..8664, 8604..8663, 8643..8744, 8644..8745		
Seq. No.	57265	Seq. ID	OJ000250_61.0419.C42
Gene No.	119933	Strand	-
Start	16649	End	17154
Name	OJ000250_61.0419.C42.o7.tw	Method	TBLASTX:Wheat
Start	11645	End	11935
GI	none	Score	201
Exons	11645..11935		
Seq. No.	57265	Seq. ID	OJ000250_61.0419.C42
Gene No.	119933	Strand	-
Start	16649	End	17154
Name	OJ000250_61.0419.C42.o3.np	Method	AAT/NAP
Start	16649	End	17154
GI	6721559	Score	256
Exons	16649..17154		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	57266	Seq. ID	OJ000250_61.0419.C43
Gene No.	119934	Strand	+
Start	1	End	1330
Name	OJ000250_61.0419.C43.o1.np	Method	AAT/NAP
Start	1	End	1330
GI	7340881	Score	128
Exons	1..174, 814..949, 1303..1330		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		
Seq. No.	57266	Seq. ID	OJ000250_61.0419.C43
Gene No.	119934	Strand	+
Start	1	End	1330
Name	OJ000250_61.0419.C43.o3.np	Method	AAT/NAP
Start	957	End	1330
GI	6721561	Score	76
Exons	957..1042, 1306..1330		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	57266	Seq. ID	OJ000250_61.0419.C43
Gene No.	119935	Strand	-
Start	82	End	1330
Name	OJ000250_61.0419.C43.o1.gs	Method	GENSCAN
Start	82	End	1004
GI	none	Score	.72
Exons	82..181, 878..1004		

Seq. No.	57266	Seq. ID	OJ000250_61.0419.C43
Gene No.	119935	Strand	-
Start	82	End	1330
Name	OJ000250_61.0419.C43.o2.np	Method	AAT/NAP
Start	834	End	1330
GI	4680183	Score	134
Exons	834..923, 1301..1330		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	57267	Seq. ID	OJ000250_61.0419.C46
Gene No.	119936	Strand	-
Start	1410	End	3427
Name	OJ000250_61.0419.C46.o1.gs	Method	GENSCAN
Start	1410	End	2919
GI	none	Score	.57
Exons	1410..1508, 1739..1924, 2091..2177, 2641..2919		

Seq. No.	57267	Seq. ID	OJ000250_61.0419.C46
Gene No.	119936	Strand	-
Start	1410	End	3427
Name	OJ000250_61.0419.C46.o2.np	Method	AAT/NAP
Start	2671	End	3427
GI	7248394	Score	93
Exons	2671..2931, 3348..3427		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119937	Strand	+
Start	4	End	521
Name	OJ000250_61.0419.C47.o1.gs	Method	GENSCAN
Start	4	End	521
GI	none	Score	.79
Exons	4..71, 107..141, 436..521		

Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119938	Strand	+
Start	953	End	1334
Name	OJ000250_61.0419.C47.o1.gp	Method	AAT/GAP
Start	953	End	1334
GI	uC-osflcyp033a04b1	Score	651
Exons	953..1334		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119939	Strand	+
Start	3277	End	7758
Name	OJ000250_61.0419.C47.o2.np	Method	AAT/NAP
Start	3277	End	7758
GI	4680179	Score	5195
Exons	3277..4362, 4396..7758		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119940	Strand	-
Start	886	End	6189
Name	OJ000250_61.0419.C47.o1.np	Method	AAT/NAP
Start	886	End	5931
GI	4680186	Score	363
Exons	886..1086, 1924..1975, 5833..5931		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119940	Strand	-
Start	886	End	6189
Name	OJ000250_61.0419.C47.o8.tw	Method	TBLASTX:Wheat
Start	3320	End	3726
GI	none	Score	210
Exons	3320..3346, 3481..3519, 3526..3723, 3528..3722, 3550..3726		

Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119940	Strand	-
Start	886	End	6189
Name	OJ000250_61.0419.C47.o7.tw	Method	TBLASTX:Wheat
Start	3759	End	4110
GI	none	Score	293
Exons	3759..3953, 3760..4110		

Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119940	Strand	-
Start	886	End	6189
Name	OJ000250_61.0419.C47.o6.tm	Method	TBLASTX:Maize
Start	3760	End	4065
GI	none	Score	232
Exons	3760..4065, 3774..3890		

Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119940	Strand	-
Start	886	End	6189
Name	OJ000250_61.0419.C47.o9.tw	Method	TBLASTX:Wheat
Start	4423	End	4791
GI	none	Score	161
Exons	4423..4632, 4677..4790, 4729..4791		

Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119940	Strand	-
Start	886	End	6189
Name	OJ000250_61.0419.C47.o4.tw	Method	TBLASTX:Wheat
Start	4956	End	5412
GI	none	Score	52

Exons	4956..5375, 4960..5010, 5034..5186, 5065..5406, 5095..5412		
Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119940	Strand	-
Start	886	End	6189
Name	OJ000250_61.0419.C47.o5.tm	Method	TBLASTX:Maize
Start	4971	End	5261
GI	none	Score	51
Exons	4971..5261, 4972..5010, 5068..5259		
Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119940	Strand	-
Start	886	End	6189
Name	OJ000250_61.0419.C47.o4.tm	Method	TBLASTX:Maize
Start	5329	End	5790
GI	none	Score	62
Exons	5329..5376, 5365..5469, 5476..5790, 5616..5669, 5697..5747		
Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119940	Strand	-
Start	886	End	6189
Name	OJ000250_61.0419.C47.o1.ts	Method	TBLASTX:Soybean
Start	5380	End	5739
GI	none	Score	470
Exons	5380..5739, 5382..5417, 5463..5738		
Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119940	Strand	-
Start	886	End	6189
Name	OJ000250_61.0419.C47.o5.tw	Method	TBLASTX:Wheat
Start	5452	End	5754
GI	none	Score	387
Exons	5452..5754, 5463..5738		
Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119940	Strand	-
Start	886	End	6189
Name	OJ000250_61.0419.C47.o3.tw	Method	TBLASTX:Wheat
Start	5755	End	6180
GI	none	Score	579
Exons	5755..6180, 5787..6176, 5815..6180		
Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119940	Strand	-
Start	886	End	6189
Name	OJ000250_61.0419.C47.o3.ts	Method	TBLASTX:Soybean
Start	5761	End	6006
GI	none	Score	206
Exons	5761..6006, 5778..6005		
Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119940	Strand	-
Start	886	End	6189
Name	OJ000250_61.0419.C47.o2.tm	Method	TBLASTX:Maize
Start	5826	End	6189
GI	none	Score	457
Exons	5826..6176, 5827..6180, 5827..6189		

Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119941	Strand	
Start	6211	End	7713
Name	OJ000250_61.0419.C47.o2.tw	Method	TBLASTX:Wheat
Start	6211	End	6747
GI	none	Score	648
Exons	6211..6747, 6255..6746		

Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119941	Strand	
Start	6211	End	7713
Name	OJ000250_61.0419.C47.o1.tc	Method	TBLASTX:Cress
Start	6454	End	6771
GI	none	Score	91
Exons	6454..6627, 6630..6770, 6631..6771		

Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119941	Strand	
Start	6211	End	7713
Name	OJ000250_61.0419.C47.o2.ts	Method	TBLASTX:Soybean
Start	6535	End	6795
GI	none	Score	292
Exons	6535..6795, 6540..6794		

Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119941	Strand	
Start	6211	End	7713
Name	OJ000250_61.0419.C47.o3.tm	Method	TBLASTX:Maize
Start	6593	End	6885
GI	none	Score	85
Exons	6593..6745, 6594..6881, 6595..6885		

Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119941	Strand	
Start	6211	End	7713
Name	OJ000250_61.0419.C47.o1.tw	Method	TBLASTX:Wheat
Start	6754	End	7380
GI	none	Score	692
Exons	6754..7380, 6810..7379		

Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119941	Strand	
Start	6211	End	7713
Name	OJ000250_61.0419.C47.o1.tm	Method	TBLASTX:Maize
Start	6934	End	7533
GI	none	Score	230
Exons	6934..7095, 6942..7088, 7093..7533, 7095..7517		

Seq. No.	57268	Seq. ID	OJ000250_61.0419.C47
Gene No.	119941	Strand	
Start	6211	End	7713
Name	OJ000250_61.0419.C47.o6.tw	Method	TBLASTX:Wheat
Start	7380	End	7713
GI	none	Score	323
Exons	7380..7649, 7381..7713, 7384..7692		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119942	Strand	+
Start	1576	End	3925
Name	OJ000250_61.0419.C48.o1.np	Method	AAT/NAP
Start	1576	End	3925
GI	5911167	Score	2616
Exons	1576..3925		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119943	Strand	+
Start	10995	End	20519
Name	OJ000250_61.0419.C48.o2.gs	Method	GENSCAN
Start	10995	End	20519
GI	none	Score	.49
Exons	10995..11387, 11465..12032, 12838..12962, 13582..13683, 13685..13798, 14162..14298, 14737..14891, 15024..15139, 15167..18146, 18215..19797, 19869..19986, 20365..20519		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119943	Strand	+
Start	10995	End	20519
Name	OJ000250_61.0419.C48.o2.np	Method	AAT/NAP
Start	15026	End	19698
GI	6705984	Score	6156
Exons	15026..19698		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o6.ts	Method	TBLASTX:Soybean
Start	1973	End	2275
GI	none	Score	214
Exons	1973..2275		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o2.tc	Method	TBLASTX:Cress
Start	2333	End	2665
GI	none	Score	111
Exons	2333..2500, 2495..2632, 2507..2665		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o9.tw	Method	TBLASTX:Wheat
Start	2509	End	2751
GI	none	Score	226
Exons	2509..2751, 2510..2740		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o2.tm	Method	TBLASTX:Maize
Start	2510	End	2927

GI	none	Score	265
Exons	2510..2743, 2510..2746, 2518..2760, 2748..2927, 2759..2926		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o8.ts	Method	TBLASTX:Soybean
Start	2759	End	2996
GI	none	Score	200
Exons	2759..2941, 2763..2996		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o14.tm	Method	TBLASTX:Maize
Start	3071	End	3325
GI	none	Score	185
Exons	3071..3292, 3132..3296, 3155..3325		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o5.tm	Method	TBLASTX:Maize
Start	3359	End	3835
GI	none	Score	142
Exons	3359..3502, 3415..3834, 3551..3835		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o5.ts	Method	TBLASTX:Soybean
Start	3383	End	3787
GI	none	Score	78
Exons	3383..3502, 3575..3787, 3655..3786		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o8.tw	Method	TBLASTX:Wheat
Start	3548	End	3901
GI	none	Score	253
Exons	3548..3901, 3667..3846		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o8.tm	Method	TBLASTX:Maize
Start	11070	End	11566
GI	none	Score	233
Exons	11070..11384, 11462..11566		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o3.tw	Method	TBLASTX:Wheat
Start	15452	End	16029
GI	none	Score	186

Exons	15452..15658, 15469..15660, 15470..15658, 15659..16021, 15664..16029, 15665..16021		
Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o9.tm	Method	TBLASTX:Maize
Start	15455	End	15691
GI	none	Score	263
Exons	15455..15691, 15455..15652, 15466..15690		
Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o4.ts	Method	TBLASTX:Soybean
Start	15499	End	15895
GI	none	Score	116
Exons	15499..15633, 15500..15634, 15674..15895, 15694..15882		
Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o4.tw	Method	TBLASTX:Wheat
Start	16379	End	16861
GI	none	Score	343
Exons	16379..16654, 16391..16648, 16399..16653, 16653..16823, 16658..16834, 16667..16861		
Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o3.ts	Method	TBLASTX:Soybean
Start	16616	End	16861
GI	none	Score	293
Exons	16616..16861, 16621..16815, 16625..16855		
Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o7.tm	Method	TBLASTX:Maize
Start	16616	End	16864
GI	none	Score	293
Exons	16616..16864, 16621..16815, 16625..16855		
Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o10.tw	Method	TBLASTX:Wheat
Start	16915	End	17098
GI	none	Score	180
Exons	16915..17094, 16916..17098, 16985..17098		
Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o10.tm	Method	TBLASTX:Maize
Start	16937	End	17188

GI	none	Score	65
Exons	16937..17032, 17045..17188, 17047..17187		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o6.tw	Method	TBLASTX:Wheat
Start	17144	End	17626
GI	none	Score	381
Exons	17144..17626, 17239..17592		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o3.tm	Method	TBLASTX:Maize
Start	17213	End	17680
GI	none	Score	399
Exons	17213..17680, 17288..17647, 17425..17649		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o3.tc	Method	TBLASTX:Cress
Start	17291	End	17593
GI	none	Score	184
Exons	17291..17593		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o1.ts	Method	TBLASTX:Soybean
Start	17603	End	17962
GI	none	Score	341
Exons	17603..17962, 17722..17949		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o7.tw	Method	TBLASTX:Wheat
Start	17675	End	18076
GI	none	Score	311
Exons	17675..18076, 17722..18075		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o4.tm	Method	TBLASTX:Maize
Start	17723	End	18145
GI	none	Score	381
Exons	17723..18145, 17764..18144		

Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o7.ts	Method	TBLASTX:Soybean
Start	17986	End	18151
GI	none	Score	201

Exons	17986..18150, 17987..18151		
Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o1.tw	Method	TBLASTX:Wheat
Start	18168	End	18594
GI	none	Score	357
Exons	18168..18593, 18168..18593, 18169..18594, 18169..18594		
Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o2.ts	Method	TBLASTX:Soybean
Start	18180	End	18452
GI	none	Score	83
Exons	18180..18356, 18180..18365, 18181..18357, 18181..18369, 18361..18447, 18363..18452		
Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o13.tm	Method	TBLASTX:Maize
Start	18373	End	18548
GI	none	Score	200
Exons	18373..18543, 18375..18548		
Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o1.tc	Method	TBLASTX:Cress
Start	18544	End	18909
GI	none	Score	432
Exons	18544..18909, 18546..18908		
Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o1.tm	Method	TBLASTX:Maize
Start	18627	End	18976
GI	none	Score	507
Exons	18627..18971, 18628..18972, 18638..18976		
Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o5.tw	Method	TBLASTX:Wheat
Start	18721	End	19080
GI	none	Score	409
Exons	18721..19080, 18726..19070		
Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o12.tm	Method	TBLASTX:Maize
Start	18979	End	19272
GI	none	Score	222

Exons	18979..19272		
Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o2.tw	Method	TBLASTX:Wheat
Start	19111	End	19509
GI	none	Score	560
Exons	19111..19509, 19113..19499		
Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o6.tm	Method	TBLASTX:Maize
Start	19276	End	19550
GI	none	Score	349
Exons	19276..19548, 19278..19550		
Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o11.tm	Method	TBLASTX:Maize
Start	19552	End	19791
GI	none	Score	219
Exons	19552..19740, 19554..19670, 19556..19714, 19588..19728, 19753..19791		
Seq. No.	57269	Seq. ID	OJ000250_61.0419.C48
Gene No.	119944	Strand	+
Start	24275	End	24512
Name	OJ000250_61.0419.C48.o3.np	Method	AAT/NAP
Start	24275	End	24512
GI	7340881	Score	94
Exons	24275..24361, 24471..24512		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		
Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119945	Strand	+
Start	1	End	9031
Name	OJ000250_61.0419.C49.o1.np	Method	AAT/NAP
Start	1	End	484
GI	5042448	Score	717
Exons	1..484		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		
Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119945	Strand	+
Start	1	End	9031
Name	OJ000250_61.0419.C49.o1.gs	Method	GENSCAN
Start	207	End	3251
GI	none	Score	.44
Exons	207..390, 739..968, 1047..1599, 1629..2528, 2775..3251		
Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119945	Strand	+
Start	1	End	9031

Name	OJ000250_61.0419.C49.o2.np	Method	AAT/NAP
Start	739	End	5280
GI	4680179	Score	7419
Exons	739..5280		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119945	Strand	+
Start	1	End	9031
Name	OJ000250_61.0419.C49.o2.gs	Method	GENSCAN
Start	3656	End	6853
GI	none	Score	.54
Exons	3656..4134, 4701..5145, 6139..6260, 6353..6444, 6489..6853		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119945	Strand	+
Start	1	End	9031
Name	OJ000250_61.0419.C49.o3.np	Method	AAT/NAP
Start	5906	End	9031
GI	7340881	Score	699
Exons	5906..5992, 6139..6260, 6353..6428, 6504..6823, 8246..8342, 8448..8477, 8984..9031		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119946	Strand	-
Start	8429	End	8890
Name	OJ000250_61.0419.C49.o7.tw	Method	TBLASTX:Wheat
Start	996	End	1359
GI	none	Score	301
Exons	996..1100, 1000..1359, 1125..1358		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119946	Strand	-
Start	8429	End	8890
Name	OJ000250_61.0419.C49.o6.tm	Method	TBLASTX:Maize
Start	1240	End	1545
GI	none	Score	196
Exons	1240..1545, 1240..1494, 1257..1427		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119946	Strand	-
Start	8429	End	8890
Name	OJ000250_61.0419.C49.o8.tw	Method	TBLASTX:Wheat
Start	1878	End	2294
GI	none	Score	155
Exons	1878..2072, 1928..2026, 2112..2294, 2138..2293		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119946	Strand	-
Start	8429	End	8890
Name	OJ000250_61.0419.C49.o3.tw	Method	TBLASTX:Wheat
Start	2453	End	2939
GI	none	Score	525
Exons	2453..2896, 2457..2939, 2568..2936		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49

Gene No.	119946	Strand	-
Start	8429	End	8890
Name	OJ000250_61.0419.C49.o4.tm	Method	TBLASTX:Maize
Start	2522	End	2993
GI	none	Score	370
Exons	2522..2896, 2526..2993		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119946	Strand	-
Start	8429	End	8890
Name	OJ000250_61.0419.C49.o1.ts	Method	TBLASTX:Soybean
Start	2880	End	3271
GI	none	Score	57
Exons	2880..2912, 2880..2924, 2916..3266, 2916..3059, 3020..3271		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119946	Strand	-
Start	8429	End	8890
Name	OJ000250_61.0419.C49.o5.tw	Method	TBLASTX:Wheat
Start	2988	End	3286
GI	none	Score	368
Exons	2988..3278, 2988..3266, 3020..3286		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119946	Strand	-
Start	8429	End	8890
Name	OJ000250_61.0419.C49.o5.tm	Method	TBLASTX:Maize
Start	3009	End	3355
GI	none	Score	235
Exons	3009..3269, 3077..3262, 3272..3355, 3325..3354		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119946	Strand	-
Start	8429	End	8890
Name	OJ000250_61.0419.C49.o2.tw	Method	TBLASTX:Wheat
Start	3290	End	3799
GI	none	Score	597
Exons	3290..3799, 3322..3633, 3368..3715		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119946	Strand	-
Start	8429	End	8890
Name	OJ000250_61.0419.C49.o3.ts	Method	TBLASTX:Soybean
Start	3296	End	3541
GI	none	Score	194
Exons	3296..3541		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119946	Strand	-
Start	8429	End	8890
Name	OJ000250_61.0419.C49.o2.tm	Method	TBLASTX:Maize
Start	3362	End	3724
GI	none	Score	462
Exons	3362..3715, 3364..3630, 3416..3724, 3523..3720		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119946	Strand	-

Start	8429	End	8890
Name	OJ000250_61.0419.C49.o4.tw	Method	TBLASTX:Wheat
Start	3862	End	4276
GI	none	Score	524
Exons	3862..3969, 3863..4276, 3878..4243, 4024..4275		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119946	Strand	-
Start	8429	End	8890
Name	OJ000250_61.0419.C49.o1.tc	Method	TBLASTX:Cress
Start	3983	End	4300
GI	none	Score	83
Exons	3983..4156, 4157..4300, 4159..4299		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119946	Strand	-
Start	8429	End	8890
Name	OJ000250_61.0419.C49.o2.ts	Method	TBLASTX:Soybean
Start	4064	End	4324
GI	none	Score	293
Exons	4064..4324, 4069..4323		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119946	Strand	-
Start	8429	End	8890
Name	OJ000250_61.0419.C49.o3.tm	Method	TBLASTX:Maize
Start	4123	End	4414
GI	none	Score	381
Exons	4123..4410, 4124..4414		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119946	Strand	-
Start	8429	End	8890
Name	OJ000250_61.0419.C49.o1.tw	Method	TBLASTX:Wheat
Start	4283	End	4902
GI	none	Score	502
Exons	4283..4705, 4285..4713, 4696..4902, 4704..4901		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119946	Strand	-
Start	8429	End	8890
Name	OJ000250_61.0419.C49.o1.tm	Method	TBLASTX:Maize
Start	4463	End	5043
GI	none	Score	226
Exons	4463..4624, 4471..4617, 4622..4705, 4624..4713, 4695..5042, 4696..5043		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119946	Strand	-
Start	8429	End	8890
Name	OJ000250_61.0419.C49.o6.tw	Method	TBLASTX:Wheat
Start	4903	End	5270
GI	none	Score	360
Exons	4903..5235, 4930..5010, 4995..5114, 5217..5270		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119946	Strand	-

Start	8429	End	8890
Name	OJ000250_61.0419.C49.o7.tm	Method	TBLASTX:Maize
Start	5044	End	5256
GI	none	Score	194
Exons	5044..5256		

Seq. No.	57270	Seq. ID	OJ000250_61.0419.C49
Gene No.	119946	Strand	-
Start	8429	End	8890
Name	OJ000250_61.0419.C49.o3.gs	Method	GENSCAN
Start	8429	End	8890
GI	none	Score	.52
Exons	8429..8593, 8840..8890		

Seq. No.	57271	Seq. ID	OJ000250_61.0419.C50
Gene No.	119947	Strand	+
Start	196	End	2575
Name	OJ000250_61.0419.C50.o1.gs	Method	GENSCAN
Start	196	End	2575
GI	none	Score	.6
Exons	196..291, 896..1039, 1078..1155, 1279..1467, 2327..2575		

Seq. No.	57271	Seq. ID	OJ000250_61.0419.C50
Gene No.	119948	Strand	+
Start	2492	End	4931
Name	OJ000250_61.0419.C50.o1.np	Method	AAT/NAP
Start	2492	End	3999
GI	5852182	Score	113
Exons	2492..2630, 3038..3307, 3928..3999		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	57271	Seq. ID	OJ000250_61.0419.C50
Gene No.	119948	Strand	+
Start	2492	End	4931
Name	OJ000250_61.0419.C50.o2.gs	Method	GENSCAN
Start	3038	End	4931
GI	none	Score	.8
Exons	3038..3419, 4253..4375, 4885..4931		

Seq. No.	57271	Seq. ID	OJ000250_61.0419.C50
Gene No.	119949	Strand	-
Start	4108	End	9636
Name	OJ000250_61.0419.C50.o2.np	Method	AAT/NAP
Start	4108	End	5965
GI	6063554	Score	235
Exons	4108..4304, 5271..5459, 5717..5965		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57271	Seq. ID	OJ000250_61.0419.C50
Gene No.	119949	Strand	-
Start	4108	End	9636
Name	OJ000250_61.0419.C50.o3.gs	Method	GENSCAN
Start	5125	End	6660
GI	none	Score	.56
Exons	5125..5221, 5267..5459, 5501..5634, 5788..6075, 6572..6660		

Seq. No.	57271	Seq. ID	OJ000250_61.0419.C50
Gene No.	119949	Strand	-
Start	4108	End	9636
Name	OJ000250_61.0419.C50.o3.np	Method	AAT/NAP
Start	5547	End	9636
GI	6705984	Score	177
Exons	5547..5628, 9403..9636		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	57271	Seq. ID	OJ000250_61.0419.C50
Gene No.	119949	Strand	-
Start	4108	End	9636
Name	OJ000250_61.0419.C50.o1.tw	Method	TBLASTX:Wheat
Start	9341	End	9595
GI	none	Score	85
Exons	9341..9421, 9433..9576, 9434..9595, 9516..9593		

Seq. No.	57272	Seq. ID	OJ000250_61.0419.C51
Gene No.	119950	Strand	+
Start	229	End	302
Name	OJ000250_61.0419.C51.o1.gs	Method	GENSCAN
Start	229	End	302
GI	none	Score	.99
Exons	229..302		

Seq. No.	57272	Seq. ID	OJ000250_61.0419.C51
Gene No.	119951	Strand	-
Start	1	End	1600
Name	OJ000250_61.0419.C51.o1.np	Method	AAT/NAP
Start	1	End	1600
GI	6466937	Score	706
Exons	1..19, 547..1346, 1585..1600		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	57272	Seq. ID	OJ000250_61.0419.C51
Gene No.	119951	Strand	-
Start	1	End	1600
Name	OJ000250_61.0419.C51.o2.gs	Method	GENSCAN
Start	531	End	1334
GI	none	Score	.5
Exons	531..1334		

Seq. No.	57272	Seq. ID	OJ000250_61.0419.C51
Gene No.	119951	Strand	-
Start	1	End	1600
Name	OJ000250_61.0419.C51.o1.tm	Method	TBLASTX:Maize
Start	564	End	1017
GI	none	Score	68
Exons	564..698, 564..1013, 565..1008, 778..1017		

Seq. No.	57272	Seq. ID	OJ000250_61.0419.C51
Gene No.	119951	Strand	-
Start	1	End	1600
Name	OJ000250_61.0419.C51.o1.tw	Method	TBLASTX:Wheat
Start	636	End	1037

GI	none	Score	53
Exons	636..1037, 696..899, 721..1026		

Seq. No.	57272	Seq. ID	OJ000250_61.0419.C51
Gene No.	119951	Strand	-
Start	1	End	1600
Name	OJ000250_61.0419.C51.o1.ts	Method	TBLASTX:Soybean
Start	750	End	1148
GI	none	Score	94
Exons	750..1109, 763..1026, 1107..1148		

Seq. No.	57272	Seq. ID	OJ000250_61.0419.C51
Gene No.	119951	Strand	-
Start	1	End	1600
Name	OJ000250_61.0419.C51.o2.tm	Method	TBLASTX:Maize
Start	1032	End	1359
GI	none	Score	167
Exons	1032..1358, 1042..1359		

Seq. No.	57272	Seq. ID	OJ000250_61.0419.C51
Gene No.	119951	Strand	-
Start	1	End	1600
Name	OJ000250_61.0419.C51.o2.tw	Method	TBLASTX:Wheat
Start	1086	End	1368
GI	none	Score	112
Exons	1086..1355, 1090..1368		

Seq. No.	57273	Seq. ID	OJ000250_61.0419.C52
Gene No.	119952	Strand	-
Start	705	End	2123
Name	OJ000250_61.0419.C52.o1.tm	Method	TBLASTX:Maize
Start	1	End	332
GI	none	Score	123
Exons	1..330, 3..332		

Seq. No.	57273	Seq. ID	OJ000250_61.0419.C52
Gene No.	119952	Strand	-
Start	705	End	2123
Name	OJ000250_61.0419.C52.o3.tm	Method	TBLASTX:Maize
Start	487	End	779
GI	none	Score	83
Exons	487..618, 489..779, 495..779		

Seq. No.	57273	Seq. ID	OJ000250_61.0419.C52
Gene No.	119952	Strand	-
Start	705	End	2123
Name	OJ000250_61.0419.C52.o1.gs	Method	GENSCAN
Start	705	End	2123
GI	none	Score	.94
Exons	705..2123		

Seq. No.	57273	Seq. ID	OJ000250_61.0419.C52
Gene No.	119952	Strand	-
Start	705	End	2123
Name	OJ000250_61.0419.C52.o2.tm	Method	TBLASTX:Maize
Start	801	End	1364
GI	none	Score	131

Exons	801..1124, 1215..1364		
Seq. No.	57274	Seq. ID	OJ000250_61.0419.C53
Gene No.	119953	Strand	+
Start	202	End	1397
Name	OJ000250_61.0419.C53.o1.gs	Method	GENSCAN
Start	202	End	1397
GI	none	Score	.59
Exons	202..389, 1299..1397		
Seq. No.	57274	Seq. ID	OJ000250_61.0419.C53
Gene No.	119954	Strand	-
Start	2708	End	3642
Name	OJ000250_61.0419.C53.o2.gs	Method	GENSCAN
Start	2708	End	3642
GI	none	Score	.42
Exons	2708..3007, 3553..3642		
Seq. No.	57275	Seq. ID	OJ000250_61.0419.C54
Gene No.	119955	Strand	+
Start	194	End	311
Name	OJ000250_61.0419.C54.o1.gs	Method	GENSCAN
Start	194	End	311
GI	none	Score	.6
Exons	194..311		
Seq. No.	57276	Seq. ID	OJ000250_61.0419.C55
Gene No.	119956	Strand	+
Start	387	End	614
Name	OJ000250_61.0419.C55.o1.gs	Method	GENSCAN
Start	387	End	614
GI	none	Score	.98
Exons	387..468, 517..614		
Seq. No.	57277	Seq. ID	OJ000250_61.0419.C57
Gene No.	119957	Strand	-
Start	129	End	573
Name	OJ000250_61.0419.C57.o1.gs	Method	GENSCAN
Start	129	End	573
GI	none	Score	.57
Exons	129..336, 364..573		
Seq. No.	57278	Seq. ID	OJ000250_61.0419.C58
Gene No.	119958	Strand	-
Start	1	End	703
Name	OJ000250_61.0419.C58.o1.np	Method	AAT/NAP
Start	1	End	681
GI	6983859	Score	899
Exons	1..56, 189..681		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		
Seq. No.	57278	Seq. ID	OJ000250_61.0419.C58
Gene No.	119958	Strand	-
Start	1	End	703
Name	OJ000250_61.0419.C58.o1.gs	Method	GENSCAN
Start	38	End	681

GI	none	Score	.87
Exons	38..681		

Seq. No.	57278	Seq. ID	OJ000250_61.0419.C58
Gene No.	119958	Strand	-
Start	1	End	703
Name	OJ000250_61.0419.C58.o1.tm	Method	TBLASTX:Maize
Start	277	End	630
GI	none	Score	155
Exons	277..630, 280..576, 282..608,	314..628	

Seq. No.	57278	Seq. ID	OJ000250_61.0419.C58
Gene No.	119958	Strand	-
Start	1	End	703
Name	OJ000250_61.0419.C58.o1.tw	Method	TBLASTX:Wheat
Start	277	End	703
GI	none	Score	119
Exons	277..702, 279..641, 292..645,	329..703	

Seq. No.	57278	Seq. ID	OJ000250_61.0419.C58
Gene No.	119958	Strand	-
Start	1	End	703
Name	OJ000250_61.0419.C58.o1.ts	Method	TBLASTX:Soybean
Start	451	End	696
GI	none	Score	205
Exons	451..696		

Seq. No.	57279	Seq. ID	OJ000250_63.0419.C2
Gene No.	119959	Strand	+
Start	1	End	1467
Name	OJ000250_63.0419.C2.o1.np	Method	AAT/NAP
Start	1	End	1467
GI	6983860	Score	1588
Exons	1..792, 1048..1266, 1423..1467		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	57279	Seq. ID	OJ000250_63.0419.C2
Gene No.	119959	Strand	+
Start	1	End	1467
Name	OJ000250_63.0419.C2.o1.gs	Method	GENSCAN
Start	68	End	1403
GI	none	Score	.97
Exons	68..1403		

Seq. No.	57279	Seq. ID	OJ000250_63.0419.C2
Gene No.	119959	Strand	+
Start	1	End	1467
Name	OJ000250_63.0419.C2.o2.np	Method	AAT/NAP
Start	1254	End	1467
GI	7489851	Score	225
Exons	1254..1467		
GI Descrip.	probable polyprotein - pineapple retrotransposon deal (fragment) gi|2995405|emb|CAA73042.1| (Y12432) polyprotein [Ananas comosus]		

Seq. No.	57280	Seq. ID	OJ000250_63.0419.C4
Gene No.	119960	Strand	-

Start	371	End	706
Name	OJ000250_63.0419.C4.o1.gs	Method	GENSCAN
Start	371	End	706
GI	none	Score	.42
Exons	371..411, 523..706		

Seq. No.	57281	Seq. ID	OJ000250_63.0419.C5
Gene No.	119961	Strand	+
Start	5378	End	6406
Name	OJ000250_63.0419.C5.o1.np	Method	AAT/NAP
Start	5378	End	6406
GI	5295951	Score	101
Exons	5378..5602, 6337..6406		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	57281	Seq. ID	OJ000250_63.0419.C5
Gene No.	119962	Strand	-
Start	3445	End	5534
Name	OJ000250_63.0419.C5.o1.gs	Method	GENSCAN
Start	3445	End	5534
GI	none	Score	.4
Exons	3445..3576, 4018..4408, 5480..5534		

Seq. No.	57282	Seq. ID	OJ000250_63.0419.C8
Gene No.	119963	Strand	-
Start	219	End	2499
Name	OJ000250_63.0419.C8.o1.np	Method	AAT/NAP
Start	219	End	2499
GI	4680179	Score	3374
Exons	219..2499		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	57282	Seq. ID	OJ000250_63.0419.C8
Gene No.	119963	Strand	-
Start	219	End	2499
Name	OJ000250_63.0419.C8.o5.tw	Method	TBLASTX:Wheat
Start	264	End	597
GI	none	Score	76
Exons	264..596, 315..446, 316..597		

Seq. No.	57282	Seq. ID	OJ000250_63.0419.C8
Gene No.	119963	Strand	-
Start	219	End	2499
Name	OJ000250_63.0419.C8.o1.tm	Method	TBLASTX:Maize
Start	459	End	1044
GI	none	Score	119
Exons	459..884, 460..657, 712..885, 882..1043, 889..1044		

Seq. No.	57282	Seq. ID	OJ000250_63.0419.C8
Gene No.	119963	Strand	-
Start	219	End	2499
Name	OJ000250_63.0419.C8.o1.tw	Method	TBLASTX:Wheat
Start	597	End	1223
GI	none	Score	44
Exons	597..1223, 598..657, 606..1220, 715..1221		

Seq. No.	57282	Seq. ID	OJ000250_63.0419.C8
Gene No.	119963	Strand	-
Start	219	End	2499
Name	OJ000250_63.0419.C8.o3.tm	Method	TBLASTX:Maize
Start	1092	End	1384
GI	none	Score	86
Exons	1092..1382, 1095..1250, 1096..1383, 1283..1384		

Seq. No.	57282	Seq. ID	OJ000250_63.0419.C8
Gene No.	119963	Strand	-
Start	219	End	2499
Name	OJ000250_63.0419.C8.o2.ts	Method	TBLASTX:Soybean
Start	1182	End	1442
GI	none	Score	187
Exons	1182..1442, 1183..1431		

Seq. No.	57282	Seq. ID	OJ000250_63.0419.C8
Gene No.	119963	Strand	-
Start	219	End	2499
Name	OJ000250_63.0419.C8.o1.tc	Method	TBLASTX:Cress
Start	1206	End	1532
GI	none	Score	87
Exons	1206..1349, 1207..1347, 1350..1532		

Seq. No.	57282	Seq. ID	OJ000250_63.0419.C8
Gene No.	119963	Strand	-
Start	219	End	2499
Name	OJ000250_63.0419.C8.o2.tw	Method	TBLASTX:Wheat
Start	1230	End	1724
GI	none	Score	302
Exons	1230..1724, 1234..1584		

Seq. No.	57282	Seq. ID	OJ000250_63.0419.C8
Gene No.	119963	Strand	-
Start	219	End	2499
Name	OJ000250_63.0419.C8.o2.tm	Method	TBLASTX:Maize
Start	1799	End	2152
GI	none	Score	192
Exons	1799..2152, 1806..2132		

Seq. No.	57282	Seq. ID	OJ000250_63.0419.C8
Gene No.	119963	Strand	-
Start	219	End	2499
Name	OJ000250_63.0419.C8.o3.tw	Method	TBLASTX:Wheat
Start	1799	End	2224
GI	none	Score	280
Exons	1799..2224, 1806..2135, 1966..2148, 2160..2222		

Seq. No.	57282	Seq. ID	OJ000250_63.0419.C8
Gene No.	119963	Strand	-
Start	219	End	2499
Name	OJ000250_63.0419.C8.o3.ts	Method	TBLASTX:Soybean
Start	1970	End	2218
GI	none	Score	201
Exons	1970..2218		

Seq. No.	57282	Seq. ID	OJ000250_63.0419.C8

Gene No.	119963	Strand	-
Start	219	End	2499
Name	OJ000250_63.0419.C8.o4.tm	Method	TBLASTX:Maize
Start	2159	End	2499
GI	none	Score	86
Exons	2159..2398, 2398..2499		

Seq. No.	57282	Seq. ID	OJ000250_63.0419.C8
Gene No.	119963	Strand	-
Start	219	End	2499
Name	OJ000250_63.0419.C8.o4.tw	Method	TBLASTX:Wheat
Start	2228	End	2497
GI	none	Score	101
Exons	2228..2398, 2234..2392, 2398..2496, 2399..2497		

Seq. No.	57282	Seq. ID	OJ000250_63.0419.C8
Gene No.	119963	Strand	-
Start	219	End	2499
Name	OJ000250_63.0419.C8.o1.ts	Method	TBLASTX:Soybean
Start	2240	End	2499
GI	none	Score	75
Exons	2240..2398, 2398..2499, 2399..2497		

Seq. No.	57283	Seq. ID	OJ000250_63.0419.C9
Gene No.	119964	Strand	-
Start	1	End	1340
Name	OJ000250_63.0419.C9.o1.np	Method	AAT/NAP
Start	1	End	267
GI	6983860	Score	412
Exons	1..267		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	57283	Seq. ID	OJ000250_63.0419.C9
Gene No.	119964	Strand	-
Start	1	End	1340
Name	OJ000250_63.0419.C9.o1.gs	Method	GENSCAN
Start	21	End	1340
GI	none	Score	.47
Exons	21..267, 536..1018, 1110..1340		

Seq. No.	57283	Seq. ID	OJ000250_63.0419.C9
Gene No.	119964	Strand	-
Start	1	End	1340
Name	OJ000250_63.0419.C9.o2.np	Method	AAT/NAP
Start	542	End	1340
GI	4512231	Score	1341
Exons	542..1340		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	57284	Seq. ID	OJ000250_63.0419.C10
Gene No.	119965	Strand	+
Start	82	End	795
Name	OJ000250_63.0419.C10.o1.gs	Method	GENSCAN
Start	82	End	638
GI	none	Score	.69
Exons	82..263, 482..638		

Seq. No.	57284	Seq. ID	OJ000250_63.0419.C10
Gene No.	119965	Strand	+
Start	82	End	795
Name	OJ000250_63.0419.C10.o1.np	Method	AAT/NAP
Start	362	End	795
GI	5902447	Score	530
Exons	362..795		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	57285	Seq. ID	OJ000250_63.0419.C11
Gene No.	119966	Strand	+
Start	1	End	132
Name	OJ000250_63.0419.C11.o1.np	Method	AAT/NAP
Start	1	End	132
GI	6983860	Score	237
Exons	1..132		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	57285	Seq. ID	OJ000250_63.0419.C11
Gene No.	119967	Strand	+
Start	655	End	1751
Name	OJ000250_63.0419.C11.o1.gs	Method	GENSCAN
Start	655	End	1751
GI	none	Score	.66
Exons	655..1140, 1194..1371, 1654..1751		

Seq. No.	57286	Seq. ID	OJ000250_63.0419.C12
Gene No.	119968	Strand	-
Start	707	End	3725
Name	OJ000250_63.0419.C12.o1.gs	Method	GENSCAN
Start	707	End	3725
GI	none	Score	.45
Exons	707..819, 2106..2224, 2648..2717, 3186..3322, 3625..3725		

Seq. No.	57287	Seq. ID	OJ000250_63.0419.C14
Gene No.	119969	Strand	-
Start	1	End	1112
Name	OJ000250_63.0419.C14.o1.np	Method	AAT/NAP
Start	1	End	1112
GI	6692258	Score	274
Exons	1..99, 341..546, 1075..1112		
GI Descrip.	(AC010870) unknown protein [Arabidopsis thaliana]		

Seq. No.	57287	Seq. ID	OJ000250_63.0419.C14
Gene No.	119969	Strand	-
Start	1	End	1112
Name	OJ000250_63.0419.C14.o1.tm	Method	TBLASTX:Maize
Start	320	End	797
GI	none	Score	162
Exons	320..574, 328..585, 333..575, 341..586, 714..797, 716..796		

Seq. No.	57288	Seq. ID	OJ000250_63.0419.C15
Gene No.	119970	Strand	+
Start	1	End	1097
Name	OJ000250_63.0419.C15.o1.np	Method	AAT/NAP

Start	1	End	1097
GI	7228457	Score	1550
Exons	1..538, 661..1097		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	57288	Seq. ID	OJ000250_63.0419.C15
Gene No.	119970	Strand	+
Start	1	End	1097
Name	OJ000250_63.0419.C15.o1.gs	Method	GENSCAN
Start	101	End	1084
GI	none	Score	.71
Exons	101..1084		

Seq. No.	57289	Seq. ID	OJ000250_63.0419.C16
Gene No.	119971	Strand	+
Start	1	End	755
Name	OJ000250_63.0419.C16.o1.np	Method	AAT/NAP
Start	1	End	752
GI	7228457	Score	1241
Exons	1..752		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	57289	Seq. ID	OJ000250_63.0419.C16
Gene No.	119971	Strand	+
Start	1	End	755
Name	OJ000250_63.0419.C16.o1.gs	Method	GENSCAN
Start	76	End	755
GI	none	Score	.62
Exons	76..755		

Seq. No.	57289	Seq. ID	OJ000250_63.0419.C16
Gene No.	119972	Strand	-
Start	1407	End	6346
Name	OJ000250_63.0419.C16.o2.np	Method	AAT/NAP
Start	1407	End	4671
GI	6907089	Score	4329
Exons	1407..3308, 3408..4671		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	57289	Seq. ID	OJ000250_63.0419.C16
Gene No.	119972	Strand	-
Start	1407	End	6346
Name	OJ000250_63.0419.C16.o4.np	Method	AAT/NAP
Start	3873	End	6346
GI	5922623	Score	199
Exons	3873..3900, 5491..5566, 5733..5859, 6245..6346		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	57289	Seq. ID	OJ000250_63.0419.C16
Gene No.	119972	Strand	-
Start	1407	End	6346

Name	OJ000250_63.0419.C16.o3.np	Method	AAT/NAP
Start	5309	End	5443
GI	7523512	Score	97
Exons	5309..5443		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	57290	Seq. ID	OJ000250_63.0419.C17
Gene No.	119973	Strand	-
Start	1	End	112
Name	OJ000250_63.0419.C17.o1.np	Method	AAT/NAP
Start	1	End	112
GI	5922623	Score	84
Exons	1..112		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	57290	Seq. ID	OJ000250_63.0419.C17
Gene No.	119974	Strand	-
Start	372	End	779
Name	OJ000250_63.0419.C17.o1.gs	Method	GENSCAN
Start	372	End	779
GI	none	Score	.63
Exons	372..779		

Seq. No.	57291	Seq. ID	OJ000250_63.0419.C18
Gene No.	119976	Strand	+
Start	1	End	5282
Name	OJ000250_63.0419.C18.o1.np	Method	AAT/NAP
Start	1	End	5246
GI	5922631	Score	6109
Exons	1..263, 308..871, 914..1073, 1200..2124, 2731..5246		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	57291	Seq. ID	OJ000250_63.0419.C18
Gene No.	119976	Strand	+
Start	1	End	5282
Name	OJ000250_63.0419.C18.o1.gs	Method	GENSCAN
Start	313	End	5282
GI	none	Score	.41
Exons	313..1004, 1041..1310, 1450..2116, 2213..2743, 2804..4299, 4321..4834, 4856..5282		

Seq. No.	57291	Seq. ID	OJ000250_63.0419.C18
Gene No.	119977	Strand	-
Start	5608	End	13805
Name	OJ000250_63.0419.C18.o2.gs	Method	GENSCAN
Start	5608	End	13805
GI	none	Score	.71
Exons	5608..6059, 6131..6235, 6307..6496, 6571..6758, 6832..7052, 7272..7429, 7648..7982, 8403..8571, 11598..11775, 12339..12414,		

13760..13805

Seq. No.	57291	Seq. ID	OJ000250_63.0419.C18
Gene No.	119977	Strand	-
Start	5608	End	13805
Name	OJ000250_63.0419.C18.o2.np	Method	AAT/NAP
Start	5611	End	8532
GI	6691716	Score	2532
Exons	5611..6059, 6131..6247, 6397..6496, 6571..6758, 6832..6994, 7071..7190, 7272..7450, 7648..8532		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	57292	Seq. ID	OJ000250_63.0419.C19
Gene No.	119978	Strand	+
Start	1	End	983
Name	OJ000250_63.0419.C19.o1.np	Method	AAT/NAP
Start	1	End	983
GI	7363274	Score	211
Exons	1..114, 404..795, 877..983		
GI Descrip.	(AP001552) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F17A8; putative protein. (AL049482) [Oryza sativa]		

Seq. No.	57292	Seq. ID	OJ000250_63.0419.C19
Gene No.	119978	Strand	+
Start	1	End	983
Name	OJ000250_63.0419.C19.o1.tm	Method	TBLASTX:Maize
Start	480	End	941
GI	none	Score	35
Exons	480..497, 531..626, 541..621, 572..631, 626..892, 627..887, 885..941		

Seq. No.	57293	Seq. ID	OJ000250_63.0419.C20
Gene No.	119979	Strand	-
Start	1	End	629
Name	OJ000250_63.0419.C20.o1.np	Method	AAT/NAP
Start	1	End	629
GI	5902444	Score	867
Exons	1..629		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	57293	Seq. ID	OJ000250_63.0419.C20
Gene No.	119979	Strand	-
Start	1	End	629
Name	OJ000250_63.0419.C20.o1.gs	Method	GENSCAN
Start	72	End	629
GI	none	Score	.85
Exons	72..629		

Seq. No.	57294	Seq. ID	OJ000250_63.0419.C25
Gene No.	119980	Strand	-
Start	271	End	1117
Name	OJ000250_63.0419.C25.o1.gs	Method	GENSCAN
Start	271	End	935
GI	none	Score	.69
Exons	271..352, 836..935		

Seq. No.	57294	Seq. ID	OJ000250_63.0419.C25
Gene No.	119980	Strand	-
Start	271	End	1117
Name	OJ000250_63.0419.C25.o1.np	Method	AAT/NAP
Start	733	End	1117
GI	4680183	Score	146
Exons	733..857, 1080..1117		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	57295	Seq. ID	OJ000250_63.0419.C28
Gene No.	119981	Strand	-
Start	480	End	780
Name	OJ000250_63.0419.C28.o1.gs	Method	GENSCAN
Start	480	End	780
GI	none	Score	.85
Exons	480..680, 688..780		

Seq. No.	57296	Seq. ID	OJ000250_63.0419.C29
Gene No.	119982	Strand	-
Start	626	End	1025
Name	OJ000250_63.0419.C29.o1.gs	Method	GENSCAN
Start	626	End	973
GI	none	Score	.69
Exons	626..973		

Seq. No.	57297	Seq. ID	OJ000250_63.0419.C31
Gene No.	119983	Strand	+
Start	382	End	878
Name	OJ000250_63.0419.C31.o1.gs	Method	GENSCAN
Start	382	End	878
GI	none	Score	.72
Exons	382..567, 705..878		

Seq. No.	57298	Seq. ID	OJ000250_63.0419.C37
Gene No.	119984	Strand	+
Start	2201	End	2395
Name	OJ000250_63.0419.C37.o1.np	Method	AAT/NAP
Start	2201	End	2395
GI	7489095	Score	234
Exons	2201..2395		
GI Descrip.	ribosomal protein S17 - curled-leaved tobacco gi|1620986|emb|CAA70082.1| (Y08858) 40S ribosomal protein S17 [Nicotiana plumbaginifolia]		

Seq. No.	57299	Seq. ID	OJ000250_63.0419.C38
Gene No.	119985	Strand	+
Start	2629	End	3037
Name	OJ000250_63.0419.C38.o1.np	Method	AAT/NAP
Start	2629	End	2820
GI	5430760	Score	134
Exons	2629..2820		
GI Descrip.	(AC007504) Putative ribosomal protein [Arabidopsis thaliana]		

Seq. No.	57299	Seq. ID	OJ000250_63.0419.C38
Gene No.	119985	Strand	+
Start	2629	End	3037

Name	OJ000250_63.0419.C38.o1.gs	Method	GENSCAN
Start	2642	End	2803
GI	none	Score	.74
Exons	2642..2803		

Seq. No.	57299	Seq. ID	OJ000250_63.0419.C38
Gene No.	119986	Strand	-
Start	4475	End	4631
Name	OJ000250_63.0419.C38.o2.gs	Method	GENSCAN
Start	4475	End	4631
GI	none	Score	.76
Exons	4475..4631		

Seq. No.	57300	Seq. ID	OJ000250_63.0419.C39
Gene No.	119987	Strand	+
Start	1777	End	4444
Name	OJ000250_63.0419.C39.o1.np	Method	AAT/NAP
Start	1777	End	4095
GI	7487014	Score	464
Exons	1777..1980, 2077..2295, 2847..3024, 3989..4095		
GI Descrip.	hypothetical protein T14P8.5 - Arabidopsis thaliana gi|3193303|gb|AAC19287.1| (AF069298) similar to several proteins containing a tandem repeat region such as Plasmodium falciparum GGM tandem repeat protein (GB:U27807); partial CDS [Arabidopsis thaliana] gi|7269005|emb|CAB80738.1| (AL161494) putative protein [Arabidopsis thaliana]		

Seq. No.	57300	Seq. ID	OJ000250_63.0419.C39
Gene No.	119987	Strand	+
Start	1777	End	4444
Name	OJ000250_63.0419.C39.o1.gp	Method	AAT/GAP
Start	2831	End	4444
GI	24105_1.R1084	Score	1168
Exons	2831..3024, 3959..4444		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	57300	Seq. ID	OJ000250_63.0419.C39
Gene No.	119988	Strand	+
Start	5772	End	7028
Name	OJ000250_63.0419.C39.o1.tc	Method	TBLASTX:Cress
Start	1756	End	2224
GI	none	Score	236
Exons	1756..1980, 1782..1928, 1792..1983, 2071..2160, 2076..2162, 2167..2223, 2177..2224		

Seq. No.	57300	Seq. ID	OJ000250_63.0419.C39
Gene No.	119988	Strand	+
Start	5772	End	7028
Name	OJ000250_63.0419.C39.o1.tm	Method	TBLASTX:Maize
Start	1783	End	2230
GI	none	Score	212
Exons	1783..1929, 1791..1925, 1793..1948, 1906..1980, 2071..2184, 2075..2230, 2076..2228		

Seq. No.	57300	Seq. ID	OJ000250_63.0419.C39
Gene No.	119988	Strand	+

Start	5772	End	7028
Name	OJ000250_63.0419.C39.o1.tw	Method	TBLASTX:Wheat
Start	1786	End	2224
GI	none	Score	196
Exons	1786..1980, 1791..2006, 2071..2184, 2074..2145, 2192..2224		

Seq. No.	57300	Seq. ID	OJ000250_63.0419.C39
Gene No.	119988	Strand	+
Start	5772	End	7028
Name	OJ000250_63.0419.C39.o1.ts	Method	TBLASTX:Soybean
Start	1791	End	2230
GI	none	Score	244
Exons	1791..1940, 1792..1980, 1792..1980, 1811..2002, 1812..2003, 2055..2189, 2071..2184, 2074..2226, 2076..2210, 2177..2230, 2213..2230		

Seq. No.	57300	Seq. ID	OJ000250_63.0419.C39
Gene No.	119988	Strand	+
Start	5772	End	7028
Name	OJ000250_63.0419.C39.o2.np	Method	AAT/NAP
Start	5772	End	7028
GI	7228442	Score	474
Exons	5772..6182, 6273..7028		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	57301	Seq. ID	OJ000250_63.0419.C44
Gene No.	119989	Strand	-
Start	63	End	275
Name	OJ000250_63.0419.C44.o1.gp	Method	AAT/GAP
Start	63	End	275
GI	24105_1.R1084	Score	377
Exons	63..275		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	57302	Seq. ID	OJ000250_63.0419.C45
Gene No.	119990	Strand	+
Start	1	End	1771
Name	OJ000250_63.0419.C45.o1.np	Method	AAT/NAP
Start	1	End	1771
GI	5902445	Score	2975
Exons	1..1771		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	57302	Seq. ID	OJ000250_63.0419.C45
Gene No.	119990	Strand	+
Start	1	End	1771
Name	OJ000250_63.0419.C45.o1.ts	Method	TBLASTX:Soybean
Start	69	End	457
GI	none	Score	88
Exons	69..173, 77..457, 213..455		

Seq. No.	57302	Seq. ID	OJ000250_63.0419.C45
Gene No.	119990	Strand	+
Start	1	End	1771

Name	OJ000250_63.0419.C45.o2.tw	Method	TBLASTX:Wheat
Start	78	End	500
GI	none	Score	416
Exons	78..500, 86..490		

Seq. No.	57302	Seq. ID	OJ000250_63.0419.C45
Gene No.	119990	Strand	+
Start	1	End	1771
Name	OJ000250_63.0419.C45.o2.tm	Method	TBLASTX:Maize
Start	131	End	404
GI	none	Score	126
Exons	131..301, 132..302, 306..404, 338..403		

Seq. No.	57302	Seq. ID	OJ000250_63.0419.C45
Gene No.	119990	Strand	+
Start	1	End	1771
Name	OJ000250_63.0419.C45.o4.tw	Method	TBLASTX:Wheat
Start	516	End	815
GI	none	Score	134
Exons	516..650, 548..649, 675..815		

Seq. No.	57302	Seq. ID	OJ000250_63.0419.C45
Gene No.	119990	Strand	+
Start	1	End	1771
Name	OJ000250_63.0419.C45.o1.tm	Method	TBLASTX:Maize
Start	813	End	1175
GI	none	Score	447
Exons	813..1136, 833..1147, 833..1123, 1127..1174, 1128..1175		

Seq. No.	57302	Seq. ID	OJ000250_63.0419.C45
Gene No.	119990	Strand	+
Start	1	End	1771
Name	OJ000250_63.0419.C45.o1.tw	Method	TBLASTX:Wheat
Start	818	End	1206
GI	none	Score	420
Exons	818..1129, 819..1205, 1020..1205, 1069..1206		

Seq. No.	57302	Seq. ID	OJ000250_63.0419.C45
Gene No.	119990	Strand	+
Start	1	End	1771
Name	OJ000250_63.0419.C45.o3.tm	Method	TBLASTX:Maize
Start	1277	End	1551
GI	none	Score	95
Exons	1277..1375, 1278..1376, 1367..1441, 1371..1448, 1465..1551		

Seq. No.	57302	Seq. ID	OJ000250_63.0419.C45
Gene No.	119990	Strand	+
Start	1	End	1771
Name	OJ000250_63.0419.C45.o3.tw	Method	TBLASTX:Wheat
Start	1320	End	1702
GI	none	Score	138
Exons	1320..1439, 1423..1599, 1482..1583, 1640..1702		

Seq. No.	57303	Seq. ID	OJ000250_63.0419.C46
Gene No.	119991	Strand	+
Start	2969	End	3232
Name	OJ000250_63.0419.C46.o2.gs	Method	GENSCAN

Start	2969	End	3181
GI	none	Score	.68
Exons	2969..3181		

Seq. No.	57303	Seq. ID	OJ000250_63.0419.C46
Gene No.	119991	Strand	+
Start	2969	End	3232
Name	OJ000250_63.0419.C46.o2.np	Method	AAT/NAP
Start	2969	End	3232
GI	5902444	Score	415
Exons	2969..3232		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	57303	Seq. ID	OJ000250_63.0419.C46
Gene No.	119992	Strand	-
Start	181	End	1469
Name	OJ000250_63.0419.C46.o1.gs	Method	GENSCAN
Start	181	End	1469
GI	none	Score	.6
Exons	181..387, 585..919, 940..1004, 1078..1318, 1340..1469		

Seq. No.	57303	Seq. ID	OJ000250_63.0419.C46
Gene No.	119992	Strand	-
Start	181	End	1469
Name	OJ000250_63.0419.C46.o1.np	Method	AAT/NAP
Start	576	End	1469
GI	5902448	Score	1544
Exons	576..1469		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	57303	Seq. ID	OJ000250_63.0419.C46
Gene No.	119992	Strand	-
Start	181	End	1469
Name	OJ000250_63.0419.C46.o1.tw	Method	TBLASTX:Wheat
Start	1059	End	1349
GI	none	Score	208
Exons	1059..1349		

Seq. No.	57304	Seq. ID	OJ000250_63.0419.C47
Gene No.	119993	Strand	+
Start	288	End	1536
Name	OJ000250_63.0419.C47.o1.gs	Method	GENSCAN
Start	288	End	1536
GI	none	Score	.66
Exons	288..312, 1301..1536		

Seq. No.	57305	Seq. ID	OJ000250_63.0419.C48
Gene No.	119994	Strand	+
Start	610	End	904
Name	OJ000250_63.0419.C48.o1.gs	Method	GENSCAN
Start	610	End	904
GI	none	Score	.62
Exons	610..784, 829..904		

Seq. No.	57306	Seq. ID	OJ000250_63.0419.C49
Gene No.	119995	Strand	+
Start	725	End	1500

Name	OJ000250_63.0419.C49.o1.gs	Method	GENSCAN
Start	725	End	1500
GI	none	Score	.87
Exons	725..922, 1327..1500		

Seq. No.	57306	Seq. ID	OJ000250_63.0419.C49
Gene No.	119996	Strand	-
Start	1025	End	1218
Name	OJ000250_63.0419.C49.o1.gp	Method	AAT/GAP
Start	1025	End	1218
GI	LIB3433-046-P1-K1-D5	Score	255
Exons	1025..1218		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	57307	Seq. ID	OJ000250_63.0419.C50
Gene No.	119997	Strand	-
Start	694	End	2359
Name	OJ000250_63.0419.C50.o1.gs	Method	GENSCAN
Start	694	End	2359
GI	none	Score	.89
Exons	694..925, 1077..1247, 1332..1467, 2313..2359		

Seq. No.	57307	Seq. ID	OJ000250_63.0419.C50
Gene No.	119997	Strand	-
Start	694	End	2359
Name	OJ000250_63.0419.C50.o1.tm	Method	TBLASTX:Maize
Start	795	End	1247
GI	none	Score	127
Exons	795..926, 796..927, 797..925, 798..926, 1074..1115, 1074..1247, 1075..1245		

Seq. No.	57308	Seq. ID	OJ000250_63.0419.C51
Gene No.	119998	Strand	+
Start	1952	End	3013
Name	OJ000250_63.0419.C51.o1.gs	Method	GENSCAN
Start	1952	End	3013
GI	none	Score	1
Exons	1952..3013		

Seq. No.	57308	Seq. ID	OJ000250_63.0419.C51
Gene No.	119999	Strand	-
Start	4826	End	6019
Name	OJ000250_63.0419.C51.o1.tm	Method	TBLASTX:Maize
Start	53	End	1956
GI	none	Score	175
Exons	53..103, 1074..1271, 1076..1276, 1112..1279, 1780..1851, 1784..1840, 1870..1956, 1870..1953		

Seq. No.	57308	Seq. ID	OJ000250_63.0419.C51
Gene No.	119999	Strand	-
Start	4826	End	6019
Name	OJ000250_63.0419.C51.o1.np	Method	AAT/NAP
Start	4826	End	6019
GI	5852175	Score	79
Exons	4826..4859, 5496..5578, 5996..6019		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	57309	Seq. ID	OJ000250_63.0419.C52
Gene No.	120000	Strand	+
Start	1035	End	1335
Name	OJ000250_63.0419.C52.o1.np	Method	AAT/NAP
Start	1035	End	1335
GI	7248394	Score	233
Exons	1035..1335		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	57309	Seq. ID	OJ000250_63.0419.C52
Gene No.	120001	Strand	+
Start	2529	End	3387
Name	OJ000250_63.0419.C52.o2.np	Method	AAT/NAP
Start	2529	End	3387
GI	6553944	Score	101
Exons	2529..2695, 2793..3104, 3232..3387		
GI Descrip.	(AC011915) putative AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	57309	Seq. ID	OJ000250_63.0419.C52
Gene No.	120002	Strand	-
Start	3868	End	4407
Name	OJ000250_63.0419.C52.o2.gs	Method	GENSCAN
Start	3868	End	4407
GI	none	Score	.52
Exons	3868..4407		

Seq. No.	57309	Seq. ID	OJ000250_63.0419.C52
Gene No.	120003	Strand	-
Start	6458	End	8149
Name	OJ000250_63.0419.C52.o3.np	Method	AAT/NAP
Start	6458	End	8149
GI	6573719	Score	155
Exons	6458..6803, 8081..8149		
GI Descrip.	(AC009978) T23E18.18 [Arabidopsis thaliana]		

Seq. No.	57310	Seq. ID	OJ000250_63.0419.C54
Gene No.	120004	Strand	-
Start	166	End	345
Name	OJ000250_63.0419.C54.o1.gs	Method	GENSCAN
Start	166	End	345
GI	none	Score	.81
Exons	166..249, 283..345		

Seq. No.	57311	Seq. ID	OJ000250_63.0419.C55
Gene No.	120005	Strand	+
Start	1	End	2469
Name	OJ000250_63.0419.C55.o1.np	Method	AAT/NAP
Start	1	End	2469
GI	7106528	Score	78
Exons	1..37, 2331..2469		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	57311	Seq. ID	OJ000250_63.0419.C55
Gene No.	120006	Strand	-
Start	1412	End	1905
Name	OJ000250_63.0419.C55.o1.gp	Method	AAT/GAP
Start	1412	End	1905
GI	576771	Score	824
Exons	1412..1622, 1649..1905		
GI Descrip.	576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	57311	Seq. ID	OJ000250_63.0419.C55
Gene No.	120007	Strand	-
Start	2924	End	6551
Name	OJ000250_63.0419.C55.o2.gs	Method	GENSCAN
Start	2924	End	6536
GI	none	Score	.49
Exons	2924..3103, 3203..3301, 3397..3469, 3571..3681, 3775..3947, 4036..4126, 4198..4759, 4911..5073, 5144..6064, 6073..6180, 6204..6536		

Seq. No.	57311	Seq. ID	OJ000250_63.0419.C55
Gene No.	120007	Strand	-
Start	2924	End	6551
Name	OJ000250_63.0419.C55.o3.np	Method	AAT/NAP
Start	2933	End	6551
GI	4680204	Score	797
Exons	2933..3152, 3546..3681, 3775..3947, 4036..5052, 5144..6551		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	57311	Seq. ID	OJ000250_63.0419.C55
Gene No.	120007	Strand	-
Start	2924	End	6551
Name	OJ000250_63.0419.C55.o2.tw	Method	TBLASTX:Wheat
Start	4840	End	5533
GI	none	Score	60
Exons	4840..5058, 5141..5212, 5270..5431, 5453..5533		

Seq. No.	57311	Seq. ID	OJ000250_63.0419.C55
Gene No.	120007	Strand	-
Start	2924	End	6551
Name	OJ000250_63.0419.C55.o1.tw	Method	TBLASTX:Wheat
Start	5534	End	5935
GI	none	Score	54
Exons	5534..5704, 5535..5651, 5691..5834, 5699..5935, 5741..5935		

Seq. No.	57312	Seq. ID	OJ000250_63.0419.C56
Gene No.	120008	Strand	-
Start	1	End	1393
Name	OJ000250_63.0419.C56.o1.np	Method	AAT/NAP
Start	1	End	1393
GI	4680203	Score	1553
Exons	1..1393		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	57312	Seq. ID	OJ000250_63.0419.C56

Gene No.	120008	Strand	-
Start	1	End	1393
Name	OJ000250_63.0419.C56.o1.tw	Method	TBLASTX:Wheat
Start	80	End	470
GI	none	Score	101
Exons	80..208, 84..230, 85..207, 208..300, 210..308, 211..303, 294..416, 312..416, 316..417, 414..470, 418..462		

Seq. No.	57312	Seq. ID	OJ000250_63.0419.C56
Gene No.	120008	Strand	-
Start	1	End	1393
Name	OJ000250_63.0419.C56.o1.tm	Method	TBLASTX:Maize
Start	211	End	599
GI	none	Score	136
Exons	211..471, 213..494, 510..599		

Seq. No.	57312	Seq. ID	OJ000250_63.0419.C56
Gene No.	120008	Strand	-
Start	1	End	1393
Name	OJ000250_63.0419.C56.o1.tc	Method	TBLASTX:Cress
Start	258	End	606
GI	none	Score	77
Exons	258..599, 277..405, 442..606		

Seq. No.	57312	Seq. ID	OJ000250_63.0419.C56
Gene No.	120008	Strand	-
Start	1	End	1393
Name	OJ000250_63.0419.C56.o1.ts	Method	TBLASTX:Soybean
Start	339	End	769
GI	none	Score	103
Exons	339..608, 357..599, 631..693, 686..769, 694..768		

Seq. No.	57312	Seq. ID	OJ000250_63.0419.C56
Gene No.	120008	Strand	-
Start	1	End	1393
Name	OJ000250_63.0419.C56.o2.gs	Method	GENSCAN
Start	580	End	1393
GI	none	Score	.82
Exons	580..932, 1033..1393		

Seq. No.	57312	Seq. ID	OJ000250_63.0419.C56
Gene No.	120008	Strand	-
Start	1	End	1393
Name	OJ000250_63.0419.C56.o2.tw	Method	TBLASTX:Wheat
Start	690	End	1011
GI	none	Score	201
Exons	690..932, 698..940, 700..951, 701..943, 934..1011		

Seq. No.	57313	Seq. ID	OJ000250_63.0419.C57
Gene No.	120009	Strand	+
Start	3749	End	5054
Name	OJ000250_63.0419.C57.o2.np	Method	AAT/NAP
Start	3749	End	5054
GI	6815099	Score	79
Exons	3749..3770, 4911..5054		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	57313	Seq. ID	OJ000250_63.0419.C57
Gene No.	120010	Strand	+
Start	8538	End	9869
Name	OJ000250_63.0419.C57.o3.np	Method	AAT/NAP
Start	8538	End	9869
GI	6498459	Score	57
Exons	8538..8833, 9775..9869		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	57313	Seq. ID	OJ000250_63.0419.C57
Gene No.	120011	Strand	-
Start	1	End	9608
Name	OJ000250_63.0419.C57.o1.np	Method	AAT/NAP
Start	1	End	3165
GI	6692743	Score	510
Exons	1..35, 814..991, 1099..1271, 1352..1840, 3041..3165		
GI Descrip.	(AC012679) putative calmodulin-binding protein [Arabidopsis thaliana]		

Seq. No.	57313	Seq. ID	OJ000250_63.0419.C57
Gene No.	120011	Strand	-
Start	1	End	9608
Name	OJ000250_63.0419.C57.o1.gs	Method	GENSCAN
Start	178	End	9608
GI	none	Score	.81
Exons	178..467, 560..698, 809..997, 1111..1271, 1352..1869, 2130..2185, 2624..2699, 3024..3165, 8706..8906, 8923..9128, 9559..9608		

Seq. No.	57314	Seq. ID	OJ000250_63.0419.C58
Gene No.	120012	Strand	+
Start	1	End	1261
Name	OJ000250_63.0419.C58.o1.np	Method	AAT/NAP
Start	1	End	1261
GI	6692258	Score	470
Exons	1..177, 249..371, 477..841, 963..1261		
GI Descrip.	(AC010870) unknown protein [Arabidopsis thaliana]		

Seq. No.	57314	Seq. ID	OJ000250_63.0419.C58
Gene No.	120012	Strand	+
Start	1	End	1261
Name	OJ000250_63.0419.C58.o2.ts	Method	TBLASTX:Soybean
Start	23	End	328
GI	none	Score	147
Exons	23..142, 24..155, 27..155, 35..160, 248..328, 259..327		

Seq. No.	57314	Seq. ID	OJ000250_63.0419.C58
Gene No.	120012	Strand	+
Start	1	End	1261
Name	OJ000250_63.0419.C58.o1.gs	Method	GENSCAN
Start	45	End	1068
GI	none	Score	.81
Exons	45..155, 254..601, 685..841, 963..1068		

Seq. No.	57314	Seq. ID	OJ000250_63.0419.C58
Gene No.	120012	Strand	+
Start	1	End	1261

Name	OJ000250_63.0419.C58.o1.tc	Method	TBLASTX:Cress
Start	265	End	1207
GI	none	Score	125
Exons	265..342, 266..433, 694..846, 961..1053, 962..1207, 1084..1206		

Seq. No.	57314	Seq. ID	OJ000250_63.0419.C58
Gene No.	120012	Strand	+
Start	1	End	1261
Name	OJ000250_63.0419.C58.o1.ts	Method	TBLASTX:Soybean
Start	691	End	1207
GI	none	Score	109
Exons	691..843, 950..1207, 961..1203		

Seq. No.	57314	Seq. ID	OJ000250_63.0419.C58
Gene No.	120012	Strand	+
Start	1	End	1261
Name	OJ000250_63.0419.C58.o1.tw	Method	TBLASTX:Wheat
Start	694	End	1132
GI	none	Score	105
Exons	694..843, 763..840, 950..1132, 958..1131		

Seq. No.	57314	Seq. ID	OJ000250_63.0419.C58
Gene No.	120012	Strand	+
Start	1	End	1261
Name	OJ000250_63.0419.C58.o1.tm	Method	TBLASTX:Maize
Start	991	End	1207
GI	none	Score	305
Exons	991..1206, 992..1207		

Seq. No.	57315	Seq. ID	OJ000250_63.0419.C59
Gene No.	120013	Strand	+
Start	606	End	801
Name	OJ000250_63.0419.C59.o1.gs	Method	GENSCAN
Start	606	End	801
GI	none	Score	.78
Exons	606..801		

Seq. No.	57316	Seq. ID	OJ000250_63.0419.C62
Gene No.	120014	Strand	+
Start	269	End	521
Name	OJ000250_63.0419.C62.o1.gs	Method	GENSCAN
Start	269	End	521
GI	none	Score	.85
Exons	269..521		

Seq. No.	57316	Seq. ID	OJ000250_63.0419.C62
Gene No.	120014	Strand	+
Start	269	End	521
Name	OJ000250_63.0419.C62.o1.tm	Method	TBLASTX:Maize
Start	291	End	518
GI	none	Score	233
Exons	291..518, 294..434, 296..517		

Seq. No.	57317	Seq. ID	OJ000250_63.0419.C64
Gene No.	120015	Strand	+
Start	309	End	743
Name	OJ000250_63.0419.C64.o1.gs	Method	GENSCAN

Start	462	End	623
GI	none	Score	.43
Exons	462..623		

Seq. No.	57317	Seq. ID	OJ000250_63.0419.C64
Gene No.	120015	Strand	+
Start	309	End	743
Name	OJ000250_63.0419.C64.o1.np	Method	AAT/NAP
Start	462	End	743
GI	7489095	Score	225
Exons	462..627, 712..743		
GI Descrip.	ribosomal protein S17 - curled-leaved tobacco gi|1620986|emb|CAA70082.1| (Y08858) 40S ribosomal protein S17 [Nicotiana plumbaginifolia]		

Seq. No.	57318	Seq. ID	OJ000250_63.0419.C66
Gene No.	120016	Strand	+
Start	500	End	678
Name	OJ000250_63.0419.C66.o1.gs	Method	GENSCAN
Start	500	End	678
GI	none	Score	.61
Exons	500..678		

Seq. No.	57319	Seq. ID	OJ000250_63.0419.C68
Gene No.	120018	Strand	+
Start	217	End	3806
Name	OJ000250_63.0419.C68.o1.gs	Method	GENSCAN
Start	217	End	1530
GI	none	Score	1
Exons	217..1530		

Seq. No.	57319	Seq. ID	OJ000250_63.0419.C68
Gene No.	120018	Strand	+
Start	217	End	3806
Name	OJ000250_63.0419.C68.o1.np	Method	AAT/NAP
Start	217	End	3806
GI	4680183	Score	4692
Exons	217..2678, 3174..3216, 3304..3806		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	57319	Seq. ID	OJ000250_63.0419.C68
Gene No.	120018	Strand	+
Start	217	End	3806
Name	OJ000250_63.0419.C68.o2.gs	Method	GENSCAN
Start	1617	End	3746
GI	none	Score	.62
Exons	1617..3011, 3147..3746		

Seq. No.	57320	Seq. ID	OJ000250_63.0419.C69
Gene No.	120019	Strand	+
Start	1	End	846
Name	OJ000250_63.0419.C69.o1.np	Method	AAT/NAP
Start	1	End	846
GI	5902445	Score	1409
Exons	1..846		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	57320	Seq. ID	OJ000250_63.0419.C69
Gene No.	120020	Strand	-
Start	1167	End	2983
Name	OJ000250_63.0419.C69.o2.gs	Method	GENSCAN
Start	1167	End	2799
GI	none	Score	.77
Exons	1167..1615, 1688..1792, 1865..2054, 2141..2316, 2436..2799		

Seq. No.	57320	Seq. ID	OJ000250_63.0419.C69
Gene No.	120020	Strand	-
Start	1167	End	2983
Name	OJ000250_63.0419.C69.o2.np	Method	AAT/NAP
Start	1170	End	2983
GI	6691716	Score	942
Exons	1170..1615, 1688..1792, 1943..2054, 2130..2323, 2500..2767, 2849..2983		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	57321	Seq. ID	OJ000250_63.0419.C70
Gene No.	120021	Strand	-
Start	588	End	716
Name	OJ000250_63.0419.C70.o1.gs	Method	GENSCAN
Start	588	End	716
GI	none	Score	.83
Exons	588..716		

Seq. No.	57322	Seq. ID	OJ000250_63.0419.C71
Gene No.	120022	Strand	-
Start	995	End	2383
Name	OJ000250_63.0419.C71.o1.gs	Method	GENSCAN
Start	995	End	2383
GI	none	Score	.61
Exons	995..1165, 2360..2383		

Seq. No.	57322	Seq. ID	OJ000250_63.0419.C71
Gene No.	120022	Strand	-
Start	995	End	2383
Name	OJ000250_63.0419.C71.o1.gp	Method	AAT/GAP
Start	2219	End	2283
GI	3760640	Score	86
Exons	2219..2283		
GI Descrip.	4176420|dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	57323	Seq. ID	OJ000250_63.0419.C72
Gene No.	120023	Strand	+
Start	17	End	763
Name	OJ000250_63.0419.C72.o1.gs	Method	GENSCAN
Start	17	End	763
GI	none	Score	.63
Exons	17..214, 350..763		

Seq. No.	57324	Seq. ID	OJ000250_63.0419.C74
Gene No.	120024	Strand	+
Start	1	End	1522

Name	OJ000250_63.0419.C74.o1.np	Method	AAT/NAP
Start	1	End	1522
GI	7487101	Score	247
Exons	1..366, 455..506, 1470..1522		
GI Descrip.	hypothetical protein T16L4.260 - Arabidopsis thaliana gi|5123569|emb|CAB45335.1| (AL079344) putative protein [Arabidopsis thaliana] gi|7269874|emb|CAB79733.1| (AL161575) putative protein [Arabidopsis thaliana]		

Seq. No.	57324	Seq. ID	OJ000250_63.0419.C74
Gene No.	120024	Strand	+
Start	1	End	1522
Name	OJ000250_63.0419.C74.o1.gs	Method	GENSCAN
Start	74	End	553
GI	none	Score	.75
Exons	74..366, 455..553		

Seq. No.	57324	Seq. ID	OJ000250_63.0419.C74
Gene No.	120025	Strand	-
Start	1428	End	1760
Name	OJ000250_63.0419.C74.o1.ts	Method	TBLASTX:Soybean
Start	61	End	360
GI	none	Score	278
Exons	61..360, 72..359		

Seq. No.	57324	Seq. ID	OJ000250_63.0419.C74
Gene No.	120025	Strand	-
Start	1428	End	1760
Name	OJ000250_63.0419.C74.o1.tc	Method	TBLASTX:Cress
Start	72	End	360
GI	none	Score	271
Exons	72..164, 73..360, 195..335		

Seq. No.	57324	Seq. ID	OJ000250_63.0419.C74
Gene No.	120025	Strand	-
Start	1428	End	1760
Name	OJ000250_63.0419.C74.o1.tm	Method	TBLASTX:Maize
Start	102	End	318
GI	none	Score	226
Exons	102..317, 102..317, 103..318		

Seq. No.	57324	Seq. ID	OJ000250_63.0419.C74
Gene No.	120025	Strand	-
Start	1428	End	1760
Name	OJ000250_63.0419.C74.o1.gp	Method	AAT/GAP
Start	1045	End	1577
GI	5039089	Score	1018
Exons	1045..1577		

Seq. No.	57324	Seq. ID	OJ000250_63.0419.C74
Gene No.	120025	Strand	-
Start	1428	End	1760
Name	OJ000250_63.0419.C74.o2.gs	Method	GENSCAN
Start	1428	End	1760
GI	none	Score	.96
Exons	1428..1760		

Seq. No.	57324	Seq. ID	OJ000250_63.0419.C74
Gene No.	120025	Strand	-
Start	1428	End	1760
Name	OJ000250_63.0419.C74.o2.tm	Method	TBLASTX:Maize
Start	1492	End	1665
GI	none	Score	138
Exons	1492..1566, 1494..1568, 1554..1664, 1555..1665		

Seq. No.	57324	Seq. ID	OJ000250_63.0419.C74
Gene No.	120025	Strand	-
Start	1428	End	1760
Name	OJ000250_63.0419.C74.o2.ts	Method	TBLASTX:Soybean
Start	1500	End	1668
GI	none	Score	174
Exons	1500..1667, 1504..1668, 1522..1668		

Seq. No.	57325	Seq. ID	OJ000250_63.0419.C75
Gene No.	120026	Strand	+
Start	1	End	938
Name	OJ000250_63.0419.C75.o1.np	Method	AAT/NAP
Start	1	End	938
GI	6063554	Score	84
Exons	1..45, 767..938		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57325	Seq. ID	OJ000250_63.0419.C75
Gene No.	120027	Strand	+
Start	1402	End	1558
Name	OJ000250_63.0419.C75.o2.np	Method	AAT/NAP
Start	1402	End	1558
GI	7363271	Score	133
Exons	1402..1558		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	57326	Seq. ID	OJ000250_63.0419.C76
Gene No.	120028	Strand	+
Start	450	End	554
Name	OJ000250_63.0419.C76.o1.gs	Method	GENSCAN
Start	450	End	554
GI	none	Score	.41
Exons	450..554		

Seq. No.	57327	Seq. ID	OJ000250_63.0419.C83
Gene No.	120029	Strand	+
Start	1	End	4057
Name	OJ000250_63.0419.C83.o1.np	Method	AAT/NAP
Start	1	End	4057
GI	6056372	Score	1441
Exons	1..53, 830..901, 995..1066, 1157..1228, 1336..1407, 1501..1566, 1669..1734, 1829..1881, 1972..2025, 2115..2494, 2578..2777, 2854..3012, 3096..3214, 3331..3545, 3669..3896, 3976..4057		
GI Descrip.	(AC009894) Very similar to receptor-like serine/threonine kinase [Arabidopsis thaliana]		

Seq. No.	57327	Seq. ID	OJ000250_63.0419.C83

Gene No.	120029	Strand	+
Start	1	End	4057
Name	OJ000250_63.0419.C83.o1.gs	Method	GENSCAN
Start	1669	End	3896
GI	none	Score	.66
Exons	1669..1734, 2115..2494, 2642..2777, 2854..3012, 3096..3214, 3331..3541, 3665..3896		

Seq. No.	57327	Seq. ID	OJ000250_63.0419.C83
Gene No.	120029	Strand	+
Start	1	End	4057
Name	OJ000250_63.0419.C83.o2.ts	Method	TBLASTX:Soybean
Start	2177	End	2494
GI	none	Score	199
Exons	2177..2494, 2344..2484		

Seq. No.	57327	Seq. ID	OJ000250_63.0419.C83
Gene No.	120029	Strand	+
Start	1	End	4057
Name	OJ000250_63.0419.C83.o2.tm	Method	TBLASTX:Maize
Start	2233	End	2743
GI	none	Score	332
Exons	2233..2484, 2237..2494, 2325..2495, 2574..2678, 2578..2679, 2648..2743, 2673..2741		

Seq. No.	57327	Seq. ID	OJ000250_63.0419.C83
Gene No.	120029	Strand	+
Start	1	End	4057
Name	OJ000250_63.0419.C83.o3.tc	Method	TBLASTX:Cress
Start	2276	End	2876
GI	none	Score	248
Exons	2276..2494, 2305..2490, 2308..2499, 2310..2495, 2593..2712, 2672..2749, 2680..2772, 2681..2776, 2849..2875, 2850..2876		

Seq. No.	57327	Seq. ID	OJ000250_63.0419.C83
Gene No.	120029	Strand	+
Start	1	End	4057
Name	OJ000250_63.0419.C83.o1.ts	Method	TBLASTX:Soybean
Start	2642	End	4057
GI	none	Score	129
Exons	2642..2779, 2680..2772, 3127..3213, 3128..3214, 3322..3546, 3330..3551, 3667..3897, 3684..3893, 3973..4053, 3977..4057		

Seq. No.	57327	Seq. ID	OJ000250_63.0419.C83
Gene No.	120029	Strand	+
Start	1	End	4057
Name	OJ000250_63.0419.C83.o1.tm	Method	TBLASTX:Maize
Start	2853	End	4057
GI	none	Score	39
Exons	2853..2876, 2855..2899, 2880..2993, 2885..3007, 2893..3012, 2897..2995, 3080..3214, 3093..3215, 3094..3219, 3094..3219, 3322..3543, 3323..3394, 3330..3542, 3657..3896, 3664..3894, 3666..3896, 3683..3913, 3975..4055, 3976..4056, 3977..4057		

Seq. No.	57327	Seq. ID	OJ000250_63.0419.C83
Gene No.	120029	Strand	+
Start	1	End	4057

Name	OJ000250_63.0419.C83.o2.tc	Method	TBLASTX:Cress
Start	3121	End	3551
GI	none	Score	99
Exons	3121..3216, 3125..3217, 3327..3551, 3328..3543		

Seq. No.	57327	Seq. ID	OJ000250_63.0419.C83
Gene No.	120029	Strand	+
Start	1	End	4057
Name	OJ000250_63.0419.C83.o1.tw	Method	TBLASTX:Wheat
Start	3322	End	3815
GI	none	Score	178
Exons	3322..3543, 3330..3542, 3660..3815, 3661..3813		

Seq. No.	57327	Seq. ID	OJ000250_63.0419.C83
Gene No.	120029	Strand	+
Start	1	End	4057
Name	OJ000250_63.0419.C83.o1.tc	Method	TBLASTX:Cress
Start	3685	End	4057
GI	none	Score	277
Exons	3685..3897, 3687..3893, 3973..4053, 3977..4057		

Seq. No.	57327	Seq. ID	OJ000250_63.0419.C83
Gene No.	120029	Strand	+
Start	1	End	4057
Name	OJ000250_63.0419.C83.o1.gp	Method	AAT/GAP
Start	3712	End	4057
GI	LIB3434-038-P1-K1-F11	Score	462
Exons	3712..3896, 3976..4057		
GI Descrip.	'6056372/gb|AAF02836.1|AC009894_7 6.0e-60 (AC009894) Very similar to receptor-like serine/threonine kinase [Arabidopsis thaliana]'		

Seq. No.	57328	Seq. ID	OJ000250_63.0419.C88
Gene No.	120030	Strand	-
Start	1	End	660
Name	OJ000250_63.0419.C88.o1.np	Method	AAT/NAP
Start	1	End	660
GI	5295955	Score	97
Exons	1..48, 591..660		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	57328	Seq. ID	OJ000250_63.0419.C88
Gene No.	120030	Strand	-
Start	1	End	660
Name	OJ000250_63.0419.C88.o1.gs	Method	GENSCAN
Start	523	End	660
GI	none	Score	.45
Exons	523..660		

Seq. No.	57329	Seq. ID	OJ000250_63.0419.C89
Gene No.	120031	Strand	-
Start	1	End	355
Name	OJ000250_63.0419.C89.o1.np	Method	AAT/NAP
Start	1	End	355
GI	4902849	Score	208
Exons	1..355		

GI Descrip. (AJ006940) phosphoribosyl pyrophosphate synthase [Spinacia oleracea]

Seq. No.	57329	Seq. ID	OJ000250_63.0419.C89
Gene No.	120031	Strand	-
Start	1	End	355
Name	OJ000250_63.0419.C89.o1.tc	Method	TBLASTX:Cress
Start	79	End	297
GI	none	Score	70
Exons	79..165, 80..166, 156..284, 166..297		

Seq. No.	57329	Seq. ID	OJ000250_63.0419.C89
Gene No.	120031	Strand	-
Start	1	End	355
Name	OJ000250_63.0419.C89.o1.ts	Method	TBLASTX:Soybean
Start	79	End	284
GI	none	Score	104
Exons	79..165, 80..181, 156..284, 157..279		

Seq. No.	57330	Seq. ID	OJ000250_63.0419.C90
Gene No.	120032	Strand	+
Start	29	End	195
Name	OJ000250_63.0419.C90.o1.gs	Method	GENSCAN
Start	29	End	195
GI	none	Score	.98
Exons	29..195		

Seq. No.	57331	Seq. ID	OJ000250_63.0419.C91
Gene No.	120033	Strand	+
Start	72	End	319
Name	OJ000250_63.0419.C91.o1.gs	Method	GENSCAN
Start	72	End	319
GI	none	Score	.53
Exons	72..319		

Seq. No.	57332	Seq. ID	OJ000250_63.0419.C92
Gene No.	120034	Strand	+
Start	1686	End	2299
Name	OJ000250_63.0419.C92.o1.gs	Method	GENSCAN
Start	1686	End	2299
GI	none	Score	.53
Exons	1686..1779, 1857..2037, 2155..2299		

Seq. No.	57333	Seq. ID	OJ000250_63.0419.C93
Gene No.	120035	Strand	-
Start	779	End	1084
Name	OJ000250_63.0419.C93.o1.np	Method	AAT/NAP
Start	779	End	1084
GI	6554485	Score	167
Exons	779..1084		

GI Descrip. (AC012394) unknown protein [Arabidopsis thaliana] gi|6573714|gb|AAF17634.1|AC009978_10 (AC009978) T23E18.26 [Arabidopsis thaliana]

Seq. No.	57333	Seq. ID	OJ000250_63.0419.C93
Gene No.	120035	Strand	-
Start	779	End	1084

Name	OJ000250_63.0419.C93.o1.tm	Method	TBLASTX:Maize
Start	804	End	1083
GI	none	Score	219
Exons	804..881, 894..1082, 895..1083		

Seq. No.	57333	Seq. ID	OJ000250_63.0419.C93
Gene No.	120035	Strand	-
Start	779	End	1084
Name	OJ000250_63.0419.C93.o1.gp	Method	AAT/GAP
Start	811	End	1084
GI	none	Score	544
Exons	811..1084		

Seq. No.	57333	Seq. ID	OJ000250_63.0419.C93
Gene No.	120035	Strand	-
Start	779	End	1084
Name	OJ000250_63.0419.C93.o1.tc	Method	TBLASTX:Cress
Start	840	End	1083
GI	none	Score	197
Exons	840..1082, 913..1083		

Seq. No.	57333	Seq. ID	OJ000250_63.0419.C93
Gene No.	120035	Strand	-
Start	779	End	1084
Name	OJ000250_63.0419.C93.o1.ts	Method	TBLASTX:Soybean
Start	891	End	1083
GI	none	Score	196
Exons	891..1082, 907..1083		

Seq. No.	57334	Seq. ID	OJ000250_63.0419.C94
Gene No.	120036	Strand	+
Start	1	End	6008
Name	OJ000250_63.0419.C94.o1.np	Method	AAT/NAP
Start	1	End	6008
GI	6056374	Score	1598
Exons	1..34, 1009..1077, 1238..1312, 1370..1471, 1877..1948, 2073..2146, 2230..2299, 2558..2640, 2679..2777, 2870..2909, 3017..3121, 3217..3281, 3349..3414, 3489..3514, 3604..3684, 3776..4155, 4239..4437, 4507..4662, 4753..4871, 5000..5214, 5343..5570, 5650..5800, 5903..6008		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	57334	Seq. ID	OJ000250_63.0419.C94
Gene No.	120036	Strand	+
Start	1	End	6008
Name	OJ000250_63.0419.C94.o1.gs	Method	GENSCAN
Start	1006	End	5800
GI	none	Score	.73
Exons	1006..1082, 1238..1309, 1877..1948, 2073..2144, 2228..2299, 3216..3281, 3349..3374, 3776..4155, 4239..4437, 4507..4665, 4768..4871, 5000..5210, 5390..5570, 5650..5800		

Seq. No.	57334	Seq. ID	OJ000250_63.0419.C94
Gene No.	120036	Strand	+
Start	1	End	6008
Name	OJ000250_63.0419.C94.o2.ts	Method	TBLASTX:Soybean

Start	3838	End	4436
GI	none	Score	169
Exons	3838..4143, 3996..4157, 4005..4145, 4230..4286, 4299..4436		

Seq. No.	57334	Seq. ID	OJ000250_63.0419.C94
Gene No.	120036	Strand	+
Start	1	End	6008
Name	OJ000250_63.0419.C94.o2.tm	Method	TBLASTX:Maize
Start	3898	End	4403
GI	none	Score	280
Exons	3898..4143, 3898..4152, 3930..4154, 3986..4156, 4211..4402, 4230..4403		

Seq. No.	57334	Seq. ID	OJ000250_63.0419.C94
Gene No.	120036	Strand	+
Start	1	End	6008
Name	OJ000250_63.0419.C94.o1.tc	Method	TBLASTX:Cress
Start	3958	End	4452
GI	none	Score	193
Exons	3958..4143, 3984..4088, 4112..4165, 4115..4165, 4230..4436, 4236..4436, 4237..4452		

Seq. No.	57334	Seq. ID	OJ000250_63.0419.C94
Gene No.	120036	Strand	+
Start	1	End	6008
Name	OJ000250_63.0419.C94.o1.gp	Method	AAT/GAP
Start	4408	End	5077
GI	569610	Score	682
Exons	4408..4437, 4507..4665, 4753..4871, 5000..5077		
GI Descrip.	6056375/gb|AAF02839.1|AC009894_10 7.0e-16 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	57334	Seq. ID	OJ000250_63.0419.C94
Gene No.	120036	Strand	+
Start	1	End	6008
Name	OJ000250_63.0419.C94.o3.tm	Method	TBLASTX:Maize
Start	4506	End	5059
GI	none	Score	48
Exons	4506..4550, 4508..4552, 4538..4645, 4548..4598, 4751..4870, 4752..4871, 4759..4872, 4999..5043, 5000..5059		

Seq. No.	57334	Seq. ID	OJ000250_63.0419.C94
Gene No.	120036	Strand	+
Start	1	End	6008
Name	OJ000250_63.0419.C94.o2.tc	Method	TBLASTX:Cress
Start	4782	End	5758
GI	none	Score	79
Exons	4782..4871, 4999..5148, 5000..5209, 5326..5553, 5355..5519, 5359..5547, 5654..5758		

Seq. No.	57334	Seq. ID	OJ000250_63.0419.C94
Gene No.	120036	Strand	+
Start	1	End	6008
Name	OJ000250_63.0419.C94.o1.ts	Method	TBLASTX:Soybean
Start	4834	End	5758
GI	none	Score	58
Exons	4834..4872, 4839..4871, 4999..5142, 5000..5293, 5356..5556,		

5358..5558, 5650..5757, 5651..5758

Seq. No.	57334	Seq. ID	OJ000250_63.0419.C94
Gene No.	120036	Strand	+
Start	1	End	6008
Name	OJ000250_63.0419.C94.o1.tw	Method	TBLASTX:Wheat
Start	4999	End	5450
GI	none	Score	188
Exons	4999..5142, 5000..5209, 5326..5448, 5358..5450		

Seq. No.	57334	Seq. ID	OJ000250_63.0419.C94
Gene No.	120036	Strand	+
Start	1	End	6008
Name	OJ000250_63.0419.C94.o1.tm	Method	TBLASTX:Maize
Start	5060	End	6007
GI	none	Score	152
Exons	5060..5221, 5062..5211, 5326..5571, 5355..5567, 5647..5799, 5651..5800, 5906..6007		

Seq. No.	57335	Seq. ID	OJ000250_63.0419.C95
Gene No.	120037	Strand	+
Start	79	End	599
Name	OJ000250_63.0419.C95.o1.gs	Method	GENSCAN
Start	79	End	599
GI	none	Score	.87
Exons	79..118, 522..599		

Seq. No.	57335	Seq. ID	OJ000250_63.0419.C95
Gene No.	120038	Strand	-
Start	2112	End	2355
Name	OJ000250_63.0419.C95.o2.gs	Method	GENSCAN
Start	2112	End	2355
GI	none	Score	.78
Exons	2112..2246, 2275..2355		

Seq. No.	57335	Seq. ID	OJ000250_63.0419.C95
Gene No.	120039	Strand	-
Start	3347	End	3719
Name	OJ000250_63.0419.C95.o1.gp	Method	AAT/GAP
Start	3347	End	3719
GI	LIB3432-059-P1-K1-D8	Score	556
Exons	3347..3719		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	57336	Seq. ID	OJ000250_63.0419.C96
Gene No.	120040	Strand	+
Start	133	End	556
Name	OJ000250_63.0419.C96.o1.gp	Method	AAT/GAP
Start	133	End	556
GI	LIB3477-003-P1-K1-E9	Score	127
Exons	133..209, 533..556		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	57336	Seq. ID	OJ000250_63.0419.C96

Gene No.	120041	Strand	+
Start	1017	End	1453
Name	OJ000250_63.0419.C96.o1.gs	Method	GENSCAN
Start	1017	End	1453
GI	none	Score	.67
Exons	1017..1045, 1393..1453		

Seq. No.	57337	Seq. ID	OJ000250_63.0419:C97
Gene No.	120042	Strand	+
Start	799	End	908
Name	OJ000250_63.0419.C97.o1.gs	Method	GENSCAN
Start	799	End	908
GI	none	Score	.58
Exons	799..829, 883..908		

Seq. No.	57338	Seq. ID	OJ000250_63.0419.C98
Gene No.	120043	Strand	-
Start	1	End	1638
Name	OJ000250_63.0419.C98.o1.np	Method	AAT/NAP
Start	1	End	1545
GI	7248394	Score	1958
Exons	1..318, 589..870, 914..1545		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	57338	Seq. ID	OJ000250_63.0419.C98
Gene No.	120043	Strand	-
Start	1	End	1638
Name	OJ000250_63.0419.C98.o1.gs	Method	GENSCAN
Start	46	End	1638
GI	none	Score	.79
Exons	46..870, 1178..1331, 1531..1638		

Seq. No.	57338	Seq. ID	OJ000250_63.0419.C98
Gene No.	120043	Strand	-
Start	1	End	1638
Name	OJ000250_63.0419.C98.o1.tw	Method	TBLASTX:Wheat
Start	53	End	457
GI	none	Score	60
Exons	53..457, 55..120, 123..440		

Seq. No.	57338	Seq. ID	OJ000250_63.0419.C98
Gene No.	120043	Strand	-
Start	1	End	1638
Name	OJ000250_63.0419.C98.o1.tm	Method	TBLASTX:Maize
Start	135	End	397
GI	none	Score	267
Exons	135..395, 137..397		

Seq. No.	57338	Seq. ID	OJ000250_63.0419.C98
Gene No.	120043	Strand	-
Start	1	End	1638
Name	OJ000250_63.0419.C98.o1.ts	Method	TBLASTX:Soybean
Start	251	End	619

GI	none	Score	150
Exons	251..385, 401..619		

Seq. No.	57339	Seq. ID	OJ000250_63.0419.C99
Gene No.	120044	Strand	-
Start	1	End	2989
Name	OJ000250_63.0419.C99.o1.np	Method	AAT/NAP
Start	1	End	273
GI	7248394	Score	366
Exons	1..273		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	57339	Seq. ID	OJ000250_63.0419.C99
Gene No.	120044	Strand	-
Start	1	End	2989
Name	OJ000250_63.0419.C99.o1.gs	Method	GENSCAN
Start	81	End	2989
GI	none	Score	.43
Exons	81..194, 255..462, 544..1151, 1269..1562, 1638..1775, 2395..2744, 2898..2989		

Seq. No.	57339	Seq. ID	OJ000250_63.0419.C99
Gene No.	120044	Strand	-
Start	1	End	2989
Name	OJ000250_63.0419.C99.o1.tm	Method	TBLASTX:Maize
Start	1384	End	1680
GI	none	Score	63
Exons	1384..1530, 1409..1525, 1555..1680, 1556..1663		

Seq. No.	57340	Seq. ID	OJ000250_63.0419.C100
Gene No.	120045	Strand	+
Start	60	End	600
Name	OJ000250_63.0419.C100.o1.gs	Method	GENSCAN
Start	60	End	600
GI	none	Score	.83
Exons	60..267, 311..600		

Seq. No.	57340	Seq. ID	OJ000250_63.0419.C100
Gene No.	120046	Strand	+
Start	965	End	2256
Name	OJ000250_63.0419.C100.o2.gs	Method	GENSCAN
Start	965	End	2256
GI	none	Score	.48
Exons	965..1143, 1851..1923, 2224..2256		

Seq. No.	57340	Seq. ID	OJ000250_63.0419.C100
Gene No.	120047	Strand	-
Start	3065	End	3265
Name	OJ000250_63.0419.C100.o3.gs	Method	GENSCAN
Start	3065	End	3265
GI	none	Score	.89
Exons	3065..3265		

Seq. No.	57341	Seq. ID	OJ000250_63.0419.C101
Gene No.	120048	Strand	+
Start	33	End	121
Name	OJ000250_63.0419.C101.o1.gs	Method	GENSCAN
Start	33	End	121
GI	none	Score	.98
Exons	33..121		

Seq. No.	57342	Seq. ID	OJ000250_63.0419.C103
Gene No.	120049	Strand	-
Start	955	End	1270
Name	OJ000250_63.0419.C103.o1.gp	Method	AAT/GAP
Start	955	End	1270
GI	none	Score	613
Exons	955..1270		

Seq. No.	57343	Seq. ID	OJ000250_63.0419.C109
Gene No.	120050	Strand	+
Start	148	End	482
Name	OJ000250_63.0419.C109.o1.gs	Method	GENSCAN
Start	148	End	482
GI	none	Score	.81
Exons	148..482		

Seq. No.	57344	Seq. ID	OJ000250_63.0419.C110
Gene No.	120051	Strand	-
Start	1	End	1096
Name	OJ000250_63.0419.C110.o1.np	Method	AAT/NAP
Start	1	End	1094
GI	6056376	Score	731
Exons	1..245, 316..466, 554..785, 884..1094		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	57344	Seq. ID	OJ000250_63.0419.C110
Gene No.	120051	Strand	-
Start	1	End	1096
Name	OJ000250_63.0419.C110.o1.gs	Method	GENSCAN
Start	65	End	774
GI	none	Score	.81
Exons	65..245, 316..466, 554..774		

Seq. No.	57344	Seq. ID	OJ000250_63.0419.C110
Gene No.	120051	Strand	-
Start	1	End	1096
Name	OJ000250_63.0419.C110.o1.ts	Method	TBLASTX:Soybean
Start	84	End	1095
GI	none	Score	79
Exons	84..185, 298..465, 368..457, 546..725, 554..778, 559..774, 885..1094, 898..1095		

Seq. No.	57344	Seq. ID	OJ000250_63.0419.C110
Gene No.	120051	Strand	-
Start	1	End	1096
Name	OJ000250_63.0419.C110.o1.gp	Method	AAT/GAP
Start	319	End	799
GI	LIB3474-011-P1-K1-B12	Score	731

Exons	319..466, 554..799		
GI Descrip.	'6056376/gb|AAF02840.1|AC009894_11 3.0e-48 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'		
Seq. No.	57344	Seq. ID	OJ000250_63.0419.C110
Gene No.	120051	Strand	-
Start	1	End	1096
Name	OJ000250_63.0419.C110.o1.tm	Method	TBLASTX:Maize
Start	322	End	1096
GI	none	Score	78
Exons	322..465, 356..466, 357..464, 359..466, 554..799, 559..795, 885..1094, 898..1095, 899..1096		
Seq. No.	57344	Seq. ID	OJ000250_63.0419.C110
Gene No.	120051	Strand	-
Start	1	End	1096
Name	OJ000250_63.0419.C110.o1.tc	Method	TBLASTX:Cress
Start	361	End	1095
GI	none	Score	64
Exons	361..465, 368..469, 557..766, 559..768, 882..1094, 901..1095		
Seq. No.	57344	Seq. ID	OJ000250_63.0419.C110
Gene No.	120051	Strand	-
Start	1	End	1096
Name	OJ000250_63.0419.C110.o1.tw	Method	TBLASTX:Wheat
Start	635	End	1095
GI	none	Score	95
Exons	635..787, 637..786, 874..1095, 888..1094		
Seq. No.	57345	Seq. ID	OJ000250_63.0419.C111
Gene No.	120052	Strand	-
Start	1	End	1126
Name	OJ000250_63.0419.C111.o2.np	Method	AAT/NAP
Start	1	End	1126
GI	6056375	Score	273
Exons	1..167, 414..538, 649..880, 1008..1126		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		
Seq. No.	57345	Seq. ID	OJ000250_63.0419.C111
Gene No.	120052	Strand	-
Start	1	End	1126
Name	OJ000250_63.0419.C111.o1.gs	Method	GENSCAN
Start	49	End	880
GI	none	Score	.81
Exons	49..231, 807..880		
Seq. No.	57345	Seq. ID	OJ000250_63.0419.C111
Gene No.	120052	Strand	-
Start	1	End	1126
Name	OJ000250_63.0419.C111.o1.tc	Method	TBLASTX:Cress
Start	675	End	901
GI	none	Score	102
Exons	675..788, 683..901, 684..794, 815..883		
Seq. No.	57345	Seq. ID	OJ000250_63.0419.C111
Gene No.	120052	Strand	-

Start	1	End	1126
Name	OJ000250_63.0419.C111.o1.tm	Method	TBLASTX:Maize
Start	716	End	901
GI	none	Score	131
Exons	716..901, 723..836, 733..852, 734..886		

Seq. No.	57346	Seq. ID	OJ000250_63.0419.C112
Gene No.	120053	Strand	+
Start	28	End	916
Name	OJ000250_63.0419.C112.o1.np	Method	AAT/NAP
Start	28	End	916
GI	6056372	Score	151
Exons	28..267, 536..607, 695..766, 871..916		
GI Descrip.	(AC009894) Very similar to receptor-like serine/threonine kinase [Arabidopsis thaliana]		

Seq. No.	57346	Seq. ID	OJ000250_63.0419.C112
Gene No.	120054	Strand	-
Start	557	End	666
Name	OJ000250_63.0419.C112.o1.gs	Method	GENSCAN
Start	557	End	666
GI	none	Score	.47
Exons	557..666		

Seq. No.	57347	Seq. ID	OJ000250_63.0419.C114
Gene No.	120055	Strand	-
Start	366	End	470
Name	OJ000250_63.0419.C114.o1.gs	Method	GENSCAN
Start	366	End	470
GI	none	Score	.72
Exons	366..470		

Seq. No.	57348	Seq. ID	OJ000250_63.0419.C115
Gene No.	120056	Strand	+
Start	356	End	432
Name	OJ000250_63.0419.C115.o1.gs	Method	GENSCAN
Start	356	End	432
GI	none	Score	.44
Exons	356..432		

Seq. No.	57349	Seq. ID	OJ000250_63.0419.C118
Gene No.	120057	Strand	+
Start	676	End	1004
Name	OJ000250_63.0419.C118.o1.gp	Method	AAT/GAP
Start	676	End	1004
GI	none	Score	466
Exons	676..1004		

Seq. No.	57349	Seq. ID	OJ000250_63.0419.C118
Gene No.	120058	Strand	-
Start	308	End	1724
Name	OJ000250_63.0419.C118.o1.gs	Method	GENSCAN
Start	308	End	1588
GI	none	Score	.4
Exons	308..365, 988..1343, 1438..1588		

Seq. No.	57349	Seq. ID	OJ000250_63.0419.C118

Gene No.	120058	Strand	-
Start	308	End	1724
Name	OJ000250_63.0419.C118.o1.np	Method	AAT/NAP
Start	987	End	1724
GI	6056376	Score	365
Exons	987..1343, 1438..1588, 1670..1724		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	57349	Seq. ID	OJ000250_63.0419.C118
Gene No.	120058	Strand	-
Start	308	End	1724
Name	OJ000250_63.0419.C118.o1.tw	Method	TBLASTX:Wheat
Start	1086	End	1335
GI	none	Score	136
Exons	1086..1292, 1087..1299, 1119..1334, 1123..1335		

Seq. No.	57349	Seq. ID	OJ000250_63.0419.C118
Gene No.	120058	Strand	-
Start	308	End	1724
Name	OJ000250_63.0419.C118.o1.tc	Method	TBLASTX:Cress
Start	1122	End	1591
GI	none	Score	58
Exons	1122..1343, 1125..1244, 1438..1587, 1439..1591		

Seq. No.	57349	Seq. ID	OJ000250_63.0419.C118
Gene No.	120058	Strand	-
Start	308	End	1724
Name	OJ000250_63.0419.C118.o2.tm	Method	TBLASTX:Maize
Start	1143	End	1347
GI	none	Score	80
Exons	1143..1340, 1155..1292, 1168..1347		

Seq. No.	57349	Seq. ID	OJ000250_63.0419.C118
Gene No.	120058	Strand	-
Start	308	End	1724
Name	OJ000250_63.0419.C118.o2.gp	Method	AAT/GAP
Start	1174	End	1555
GI	LIB3434-062-P1-K1-D10	Score	301
Exons	1174..1343, 1438..1555		
GI Descrip.	'6056375/gb|AAF02839.1|AC009894_10 5.0e-09 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'		

Seq. No.	57349	Seq. ID	OJ000250_63.0419.C118
Gene No.	120058	Strand	-
Start	308	End	1724
Name	OJ000250_63.0419.C118.o1.ts	Method	TBLASTX:Soybean
Start	1176	End	1722
GI	none	Score	100
Exons	1176..1286, 1438..1587, 1493..1606, 1669..1722		

Seq. No.	57349	Seq. ID	OJ000250_63.0419.C118
Gene No.	120058	Strand	-
Start	308	End	1724
Name	OJ000250_63.0419.C118.o1.tm	Method	TBLASTX:Maize
Start	1441	End	1722
GI	none	Score	131

Exons	1441..1587, 1442..1588, 1672..1722		
Seq. No.	57350	Seq. ID	OJ000250_63.0419.C119
Gene No.	120059	Strand	+
Start	155	End	227
Name	OJ000250_63.0419.C119.o1.gs	Method	GENSCAN
Start	155	End	227
GI	none	Score	.64
Exons	155..227		
Seq. No.	57350	Seq. ID	OJ000250_63.0419.C119
Gene No.	120060	Strand	-
Start	1	End	1154
Name	OJ000250_63.0419.C119.o1.np	Method	AAT/NAP
Start	1	End	1154
GI	6056375	Score	366
Exons	1..400, 498..548, 785..861, 1095..1154		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		
Seq. No.	57350	Seq. ID	OJ000250_63.0419.C119
Gene No.	120060	Strand	-
Start	1	End	1154
Name	OJ000250_63.0419.C119.o1.tm	Method	TBLASTX:Maize
Start	9	End	291
GI	none	Score	133
Exons	9..278, 19..279, 20..280, 21..290, 22..291		
Seq. No.	57350	Seq. ID	OJ000250_63.0419.C119
Gene No.	120060	Strand	-
Start	1	End	1154
Name	OJ000250_63.0419.C119.o1.tc	Method	TBLASTX:Cress
Start	11	End	239
GI	none	Score	57
Exons	11..64, 21..209, 21..239, 22..210		
Seq. No.	57350	Seq. ID	OJ000250_63.0419.C119
Gene No.	120060	Strand	-
Start	1	End	1154
Name	OJ000250_63.0419.C119.o1.ts	Method	TBLASTX:Soybean
Start	21	End	344
GI	none	Score	61
Exons	21..344, 31..171		
Seq. No.	57351	Seq. ID	OJ000250_63.0419.C120
Gene No.	120061	Strand	+
Start	2920	End	3044
Name	OJ000250_63.0419.C120.o1.gp	Method	AAT/GAP
Start	2920	End	3044
GI	35458_1.R1084	Score	133
Exons	2920..3044		
GI Descrip.	'3868853/dbj|BAA34247| 1.0e-21 (AB013853) GPI-anchored protein [Vigna radiata]'		
Seq. No.	57351	Seq. ID	OJ000250_63.0419.C120
Gene No.	120062	Strand	+
Start	3935	End	4250

Name	OJ000250_63.0419.C120.o2.gp	Method	AAT/GAP
Start	3935	End	4250
GI	15865_1.R1084	Score	493
Exons	3935..4250		
GI Descrip.	'4680199/gb|AAD27562.1|AF114171_3 2.0e-21 (AF114171) hypothetical protein [Sorghum bicolor]'		

Seq. No.	57351	Seq. ID	OJ000250_63.0419.C120
Gene No.	120063	Strand	-
Start	1	End	2439
Name	OJ000250_63.0419.C120.o1.np	Method	AAT/NAP
Start	1	End	2265
GI	6056374	Score	228
Exons	1..177, 246..332, 576..647, 897..1095, 2232..2265		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	57351	Seq. ID	OJ000250_63.0419.C120
Gene No.	120063	Strand	-
Start	1	End	2439
Name	OJ000250_63.0419.C120.o1.gs	Method	GENSCAN
Start	563	End	2439
GI	none	Score	.55
Exons	563..647, 897..1086, 2292..2439		

Seq. No.	57352	Seq. ID	OJ000250_63.0419.C121
Gene No.	120064	Strand	+
Start	140	End	1122
Name	OJ000250_63.0419.C121.o1.gp	Method	AAT/GAP
Start	140	End	1122
GI	15865_1.R1084	Score	1601
Exons	140..567, 654..1122		
GI Descrip.	'4680199/gb|AAD27562.1|AF114171_3 2.0e-21 (AF114171) hypothetical protein [Sorghum bicolor]'		

Seq. No.	57352	Seq. ID	OJ000250_63.0419.C121
Gene No.	120065	Strand	-
Start	49	End	139
Name	OJ000250_63.0419.C121.o1.gs	Method	GENSCAN
Start	49	End	139
GI	none	Score	.56
Exons	49..139		

Seq. No.	57352	Seq. ID	OJ000250_63.0419.C121
Gene No.	120066	Strand	
Start	776	End	1111
Name	OJ000250_63.0419.C121.o1.tm	Method	TBLASTX:Maize
Start	776	End	1111
GI	none	Score	281
Exons	776..1111, 928..1074		

Seq. No.	57353	Seq. ID	OJ000250_63.0419.C122
Gene No.	120067	Strand	-
Start	1471	End	1557
Name	OJ000250_63.0419.C122.o1.gs	Method	GENSCAN
Start	1471	End	1557
GI	none	Score	.62

Exons	1471..1557		
Seq. No.	57354	Seq. ID	OJ000250_63.0419.C126
Gene No.	120068	Strand	+
Start	259	End	483
Name	OJ000250_63.0419.C126.o1.gs	Method	GENSCAN
Start	259	End	483
GI	none	Score	.81
Exons	259..483		
Seq. No.	57355	Seq. ID	OJ000250_63.0419.C127
Gene No.	120069	Strand	+
Start	282	End	339
Name	OJ000250_63.0419.C127.o1.gs	Method	GENSCAN
Start	282	End	339
GI	none	Score	.78
Exons	282..339		
Seq. No.	57355	Seq. ID	OJ000250_63.0419.C127
Gene No.	120070	Strand	-
Start	97	End	350
Name	OJ000250_63.0419.C127.o1.np	Method	AAT/NAP
Start	97	End	350
GI	6069646	Score	74
Exons	97..350		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	57356	Seq. ID	OJ000250_63.0419.C128
Gene No.	120071	Strand	+
Start	535	End	874
Name	OJ000250_63.0419.C128.o1.gs	Method	GENSCAN
Start	535	End	874
GI	none	Score	.91
Exons	535..874		
Seq. No.	57357	Seq. ID	OJ000250_63.0419.C129
Gene No.	120072	Strand	-
Start	49	End	367
Name	OJ000250_63.0419.C129.o1.gs	Method	GENSCAN
Start	49	End	367
GI	none	Score	.42
Exons	49..367		
Seq. No.	57358	Seq. ID	OJ000250_63.0419.C131
Gene No.	120073	Strand	-
Start	1	End	888
Name	OJ000250_63.0419.C131.o1.np	Method	AAT/NAP
Start	1	End	888
GI	4680207	Score	448
Exons	1..888		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	57358	Seq. ID	OJ000250_63.0419.C131
Gene No.	120073	Strand	-
Start	1	End	888
Name	OJ000250_63.0419.C131.o1.gs	Method	GENSCAN
Start	73	End	687
GI	none	Score	.52
Exons	73..687		

Seq. No.	57358	Seq. ID	OJ000250_63.0419.C131
Gene No.	120073	Strand	-
Start	1	End	888
Name	OJ000250_63.0419.C131.o1.tw	Method	TBLASTX:Wheat
Start	349	End	654
GI	none	Score	78
Exons	349..450, 466..528, 545..637, 547..654		

Seq. No.	57358	Seq. ID	OJ000250_63.0419.C131
Gene No.	120073	Strand	-
Start	1	End	888
Name	OJ000250_63.0419.C131.o1.tm	Method	TBLASTX:Maize
Start	364	End	855
GI	none	Score	89
Exons	364..432, 439..519, 544..681, 739..855		

Seq. No.	57358	Seq. ID	OJ000250_63.0419.C131
Gene No.	120073	Strand	-
Start	1	End	888
Name	OJ000250_63.0419.C131.o1.ts	Method	TBLASTX:Soybean
Start	376	End	874
GI	none	Score	75
Exons	376..450, 469..522, 547..711, 548..634, 775..873, 788..874		

Seq. No.	57359	Seq. ID	OJ000250_63.0419.C132
Gene No.	120074	Strand	-
Start	1	End	1879
Name	OJ000250_63.0419.C132.o1.np	Method	AAT/NAP
Start	1	End	1879
GI	4680207	Score	308
Exons	1..566, 1793..1879		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	57359	Seq. ID	OJ000250_63.0419.C132
Gene No.	120074	Strand	-
Start	1	End	1879
Name	OJ000250_63.0419.C132.o1.gs	Method	GENSCAN
Start	37	End	1077
GI	none	Score	.75
Exons	37..630, 668..758, 989..1077		

Seq. No.	57360	Seq. ID	OJ000250_63.0419.C133
Gene No.	120075	Strand	-
Start	366	End	1433
Name	OJ000250_63.0419.C133.o1.gs	Method	GENSCAN
Start	366	End	1433
GI	none	Score	.57
Exons	366..585, 1042..1433		

Seq. No.	57361	Seq. ID	OJ000250_63.0419.C136
Gene No.	120076	Strand	+
Start	312	End	993
Name	OJ000250_63.0419.C136.o1.gs	Method	GENSCAN
Start	312	End	993
GI	none	Score	.67
Exons	312..993		

Seq. No.	57362	Seq. ID	OJ000250_63.0419.C137
Gene No.	120077	Strand	+
Start	761	End	1992
Name	OJ000250_63.0419.C137.o1.gs	Method	GENSCAN
Start	761	End	1992
GI	none	Score	.6
Exons	761..883, 1199..1477, 1524..1558, 1695..1992		

Seq. No.	57362	Seq. ID	OJ000250_63.0419.C137
Gene No.	120078	Strand	+
Start	4589	End	5105
Name	OJ000250_63.0419.C137.o2.gs	Method	GENSCAN
Start	4589	End	5105
GI	none	Score	.61
Exons	4589..4712, 5098..5105		

Seq. No.	57362	Seq. ID	OJ000250_63.0419.C137
Gene No.	120079	Strand	+
Start	5996	End	6376
Name	OJ000250_63.0419.C137.o1.np	Method	AAT/NAP
Start	5996	End	6376
GI	6056374	Score	138
Exons	5996..6043, 6154..6376		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	57362	Seq. ID	OJ000250_63.0419.C137
Gene No.	120080	Strand	-
Start	6085	End	6401
Name	OJ000250_63.0419.C137.o3.gs	Method	GENSCAN
Start	6085	End	6401
GI	none	Score	.91
Exons	6085..6401		

Seq. No.	57363	Seq. ID	OJ000250_63.0419.C142
Gene No.	120081	Strand	-
Start	849	End	1007
Name	OJ000250_63.0419.C142.o1.gs	Method	GENSCAN
Start	849	End	1007
GI	none	Score	.84
Exons	849..1007		

Seq. No.	57364	Seq. ID	OJ000250_63.0419.C143
Gene No.	120082	Strand	+
Start	1	End	1557
Name	OJ000250_63.0419.C143.o1.np	Method	AAT/NAP
Start	1	End	1557
GI	6056374	Score	160

Exons	1..44, 442..513, 666..771, 830..904, 1263..1334, 1459..1557		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	57364	Seq. ID	OJ000250_63.0419.C143
Gene No.	120083	Strand	-
Start	1056	End	1204
Name	OJ000250_63.0419.C143.o1.gs	Method	GENSCAN
Start	1056	End	1204
GI	none	Score	.8
Exons	1056..1204		

Seq. No.	57365	Seq. ID	OJ000250_63.0419.C144
Gene No.	120084	Strand	+
Start	1	End	1104
Name	OJ000250_63.0419.C144.o1.np	Method	AAT/NAP
Start	1	End	1104
GI	6056375	Score	70
Exons	1..149, 493..596, 822..887, 1084..1104		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	57365	Seq. ID	OJ000250_63.0419.C144
Gene No.	120084	Strand	+
Start	1	End	1104
Name	OJ000250_63.0419.C144.o1.gp	Method	AAT/GAP
Start	820	End	1104
GI	uC-osflm202100b06b1	Score	222
Exons	820..887, 964..1008, 1081..1104		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	57366	Seq. ID	OJ000250_63.0419.C149
Gene No.	120085	Strand	+
Start	126	End	483
Name	OJ000250_63.0419.C149.o1.gs	Method	GENSCAN
Start	126	End	393
GI	none	Score	.46
Exons	126..179, 271..393		

Seq. No.	57366	Seq. ID	OJ000250_63.0419.C149
Gene No.	120085	Strand	+
Start	126	End	483
Name	OJ000250_63.0419.C149.o1.np	Method	AAT/NAP
Start	241	End	483
GI	7489534	Score	95
Exons	241..483		
GI Descrip.	probable DNA binding protein PCF2 - rice gi|2580440|dbj|BAA23143.1| (D87261) PCF2 [Oryza sativa]		

Seq. No.	57367	Seq. ID	OJ000250_63.0419.C150
Gene No.	120086	Strand	+
Start	768	End	1152
Name	OJ000250_63.0419.C150.o1.gp	Method	AAT/GAP
Start	768	End	1152
GI	none	Score	720
Exons	768..1152		

Seq. No.	57367	Seq. ID	OJ000250_63.0419.C150
Gene No.	120087	Strand	-
Start	897	End	4021
Name	OJ000250_63.0419.C150.o1.gs	Method	GENSCAN
Start	897	End	3366
GI	none	Score	.89
Exons	897..1256, 1362..1512, 1595..1775, 1966..2119, 2264..2382, 2469..2627, 3226..3366		

Seq. No.	57367	Seq. ID	OJ000250_63.0419.C150
Gene No.	120087	Strand	-
Start	897	End	4021
Name	OJ000250_63.0419.C150.o1.np	Method	AAT/NAP
Start	924	End	4021
GI	6056375	Score	1420
Exons	924..1256, 1362..1512, 1595..1826, 1966..2176, 2264..2382, 2472..2627, 2713..2911, 2987..3366, 3448..3498, 3743..3819, 3847..4021		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	57367	Seq. ID	OJ000250_63.0419.C150
Gene No.	120087	Strand	-
Start	897	End	4021
Name	OJ000250_63.0419.C150.o1.tw	Method	TBLASTX:Wheat
Start	990	End	1258
GI	none	Score	151
Exons	990..1250, 990..1247, 1040..1258		

Seq. No.	57367	Seq. ID	OJ000250_63.0419.C150
Gene No.	120087	Strand	-
Start	897	End	4021
Name	OJ000250_63.0419.C150.o4.tc	Method	TBLASTX:Cress
Start	1005	End	1256
GI	none	Score	81
Exons	1005..1256, 1042..1128, 1071..1199		

Seq. No.	57367	Seq. ID	OJ000250_63.0419.C150
Gene No.	120087	Strand	-
Start	897	End	4021
Name	OJ000250_63.0419.C150.o3.tm	Method	TBLASTX:Maize
Start	1056	End	1259
GI	none	Score	95
Exons	1056..1253, 1057..1155, 1068..1259		

Seq. No.	57367	Seq. ID	OJ000250_63.0419.C150
Gene No.	120087	Strand	-
Start	897	End	4021
Name	OJ000250_63.0419.C150.o1.tc	Method	TBLASTX:Cress
Start	1362	End	1804
GI	none	Score	135
Exons	1362..1511, 1363..1515, 1408..1512, 1594..1803, 1601..1804, 1621..1767		

Seq. No.	57367	Seq. ID	OJ000250_63.0419.C150
Gene No.	120087	Strand	-

Start	897	End	4021
Name	OJ000250_63.0419.C150.o1.ts	Method	TBLASTX:Soybean
Start	1362	End	2290
GI	none	Score	90
Exons	1362..1511, 1417..1515, 1594..1809, 1606..1809, 1964..2176, 1965..2165, 2264..2290		

Seq. No.	57367	Seq. ID	OJ000250_63.0419.C150
Gene No.	120087	Strand	-
Start	897	End	4021
Name	OJ000250_63.0419.C150.o1.tm	Method	TBLASTX:Maize
Start	1365	End	2626
GI	none	Score	64
Exons	1365..1508, 1365..1511, 1366..1512, 1581..1811, 1595..1726, 1597..1827, 1606..1815, 1964..2176, 1965..2177, 1986..2177, 1987..2184, 2125..2199, 2260..2301, 2264..2383, 2265..2384, 2458..2595, 2492..2596, 2582..2626		

Seq. No.	57367	Seq. ID	OJ000250_63.0419.C150
Gene No.	120087	Strand	-
Start	897	End	4021
Name	OJ000250_63.0419.C150.o2.tw	Method	TBLASTX:Wheat
Start	1401	End	1809
GI	none	Score	77
Exons	1401..1511, 1417..1512, 1597..1809		

Seq. No.	57367	Seq. ID	OJ000250_63.0419.C150
Gene No.	120087	Strand	-
Start	897	End	4021
Name	OJ000250_63.0419.C150.o3.tc	Method	TBLASTX:Cress
Start	1964	End	2357
GI	none	Score	57
Exons	1964..2125, 1964..2176, 1965..2177, 2261..2353, 2262..2357		

Seq. No.	57367	Seq. ID	OJ000250_63.0419.C150
Gene No.	120087	Strand	-
Start	897	End	4021
Name	OJ000250_63.0419.C150.o3.tw	Method	TBLASTX:Wheat
Start	1982	End	2368
GI	none	Score	84
Exons	1982..2176, 1983..2177, 2264..2368		

Seq. No.	57367	Seq. ID	OJ000250_63.0419.C150
Gene No.	120087	Strand	-
Start	897	End	4021
Name	OJ000250_63.0419.C150.o2.tc	Method	TBLASTX:Cress
Start	2605	End	3205
GI	none	Score	111
Exons	2605..2628, 2709..2825, 2714..2911, 2715..2834, 2731..2835, 2984..3013, 2987..3205, 2997..3176		

Seq. No.	57367	Seq. ID	OJ000250_63.0419.C150
Gene No.	120087	Strand	-
Start	897	End	4021
Name	OJ000250_63.0419.C150.o2.ts	Method	TBLASTX:Soybean
Start	2714	End	3304
GI	none	Score	70

Exons	2714..2851, 2715..2855, 2987..3304		
Seq. No.	57367	Seq. ID	OJ000250_63.0419.C150
Gene No.	120087	Strand	-
Start	897	End	4021
Name	OJ000250_63.0419.C150.o2.tm	Method	TBLASTX:Maize
Start	2747	End	3249
GI	none	Score	138
Exons	2747..2911, 2748..2912, 2754..2915, 2951..3244, 2987..3244, 2997..3248, 3001..3249		
Seq. No.	57368	Seq. ID	OJ000250_63.0419.C151
Gene No.	120088	Strand	-
Start	1	End	1249
Name	OJ000250_63.0419.C151.o1.np	Method	AAT/NAP
Start	1	End	1249
GI	6056374	Score	119
Exons	1..131, 219..326, 370..444, 692..763, 844..915, 1024..1094, 1228..1249		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		
Seq. No.	57369	Seq. ID	OJ000250_63.0419.C152
Gene No.	120089	Strand	+
Start	439	End	723
Name	OJ000250_63.0419.C152.o1.gs	Method	GENSCAN
Start	439	End	723
GI	none	Score	.99
Exons	439..723		
Seq. No.	57369	Seq. ID	OJ000250_63.0419.C152
Gene No.	120090	Strand	-
Start	1	End	2330
Name	OJ000250_63.0419.C152.o1.np	Method	AAT/NAP
Start	1	End	726
GI	6056374	Score	177
Exons	1..87, 175..247, 497..726		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		
Seq. No.	57369	Seq. ID	OJ000250_63.0419.C152
Gene No.	120090	Strand	-
Start	1	End	2330
Name	OJ000250_63.0419.C152.o1.gp	Method	AAT/GAP
Start	119	End	2330
GI	42427_1.R1084	Score	762
Exons	119..247, 497..683, 2165..2330		
GI Descrip.	'6056374/gb|AAF02838.1|AC009894_9 9.0e-23 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'		
Seq. No.	57370	Seq. ID	OJ000350_55.0419.C2
Gene No.	120091	Strand	+
Start	122	End	1352
Name	OJ000350_55.0419.C2.o1.gs	Method	GENSCAN
Start	122	End	1352
GI	none	Score	.4
Exons	122..316, 1092..1352		

Seq. No.	57371	Seq. ID	OJ000350_55.0419.C3
Gene No.	120092	Strand	-
Start	417	End	1708
Name	OJ000350_55.0419.C3.o1.gs	Method	GENSCAN
Start	417	End	1708
GI	none	Score	.49
Exons	417..565, 1022..1291, 1599..1708		

Seq. No.	57372	Seq. ID	OJ000350_55.0419.C4
Gene No.	120093	Strand	+
Start	574	End	2044
Name	OJ000350_55.0419.C4.o1.gs	Method	GENSCAN
Start	574	End	2044
GI	none	Score	.56
Exons	574..620, 1937..2044		

Seq. No.	57372	Seq. ID	OJ000350_55.0419.C4
Gene No.	120094	Strand	-
Start	5446	End	6579
Name	OJ000350_55.0419.C4.o1.np	Method	AAT/NAP
Start	5446	End	6579
GI	1946376	Score	280
Exons	5446..5862, 5926..6415, 6510..6579		
GI Descrip.	(U93215) unknown protein [Arabidopsis thaliana]		

Seq. No.	57372	Seq. ID	OJ000350_55.0419.C4
Gene No.	120094	Strand	-
Start	5446	End	6579
Name	OJ000350_55.0419.C4.o1.tc	Method	TBLASTX:Cress
Start	5446	End	5653
GI	none	Score	81
Exons	5446..5652, 5567..5653		

Seq. No.	57372	Seq. ID	OJ000350_55.0419.C4
Gene No.	120095	Strand	
Start	9197	End	9619
Name	OJ000350_55.0419.C4.o1.tw	Method	TBLASTX:Wheat
Start	9197	End	9619
GI	none	Score	205
Exons	9197..9619		

Seq. No.	57372	Seq. ID	OJ000350_55.0419.C4
Gene No.	120096	Strand	
Start	9560	End	9962
Name	OJ000350_55.0419.C4.o1.tm	Method	TBLASTX:Maize
Start	9560	End	9962
GI	none	Score	65
Exons	9560..9619, 9656..9958, 9867..9962		

Seq. No.	57373	Seq. ID	OJ000350_55.0419.C5
Gene No.	120097	Strand	+
Start	108	End	826
Name	OJ000350_55.0419.C5.o1.gs	Method	GENSCAN
Start	108	End	826
GI	none	Score	.45
Exons	108..229, 651..826		

Seq. No.	57374	Seq. ID	OJ000350_55.0419.C6
Gene No.	120098	Strand	-
Start	838	End	958
Name	OJ000350_55.0419.C6.o1.gs	Method	GENSCAN
Start	838	End	952
GI	none	Score	.81
Exons	838..952		

Seq. No.	57374	Seq. ID	OJ000350_55.0419.C6
Gene No.	120098	Strand	-
Start	838	End	958
Name	OJ000350_55.0419.C6.o1.np	Method	AAT/NAP
Start	838	End	958
GI	1946372	Score	75
Exons	838..958		
GI Descrip.	(U93215) putative integral membrane protein [Arabidopsis thaliana]		

Seq. No.	57375	Seq. ID	OJ000350_55.0419.C8
Gene No.	120099	Strand	+
Start	498	End	571
Name	OJ000350_55.0419.C8.o1.gs	Method	GENSCAN
Start	498	End	571
GI	none	Score	.44
Exons	498..571		

Seq. No.	57376	Seq. ID	OJ000350_55.0419.C9
Gene No.	120100	Strand	-
Start	394	End	2249
Name	OJ000350_55.0419.C9.o1.gs	Method	GENSCAN
Start	394	End	2249
GI	none	Score	.63
Exons	394..574, 2143..2249		

Seq. No.	57377	Seq. ID	OJ000350_55.0419.C10
Gene No.	120101	Strand	+
Start	234	End	1285
Name	OJ000350_55.0419.C10.o1.gp	Method	AAT/GAP
Start	188	End	960
GI	none	Score	1028
Exons	188..522, 737..960		

Seq. No.	57377	Seq. ID	OJ000350_55.0419.C10
Gene No.	120101	Strand	+
Start	234	End	1285
Name	OJ000350_55.0419.C10.o1.gs	Method	GENSCAN
Start	234	End	1285
GI	none	Score	.87
Exons	234..462, 520..677, 737..1285		

Seq. No.	57377	Seq. ID	OJ000350_55.0419.C10
Gene No.	120102	Strand	+
Start	1834	End	2255
Name	OJ000350_55.0419.C10.o3.gp	Method	AAT/GAP
Start	1834	End	2255
GI	37688_1.R1084	Score	840

Exons	1834..2255		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		
Seq. No.	57377	Seq. ID	OJ000350_55.0419.C10
Gene No.	120103	Strand	-
Start	1487	End	5500
Name	OJ000350_55.0419.C10.o2.gs	Method	GENSCAN
Start	1487	End	5476
GI	none	Score	.7
Exons	1487..1554, 4020..4172, 4512..4761, 5219..5476		
Seq. No.	57377	Seq. ID	OJ000350_55.0419.C10
Gene No.	120103	Strand	-
Start	1487	End	5500
Name	OJ000350_55.0419.C10.o2.gp	Method	AAT/GAP
Start	1520	End	1847
GI	6025053	Score	565
Exons	1520..1847		
Seq. No.	57377	Seq. ID	OJ000350_55.0419.C10
Gene No.	120103	Strand	-
Start	1487	End	5500
Name	OJ000350_55.0419.C10.o1.tm	Method	TBLASTX:Maize
Start	2051	End	5285
GI	none	Score	63
Exons	2051..2089, 2175..2240, 3450..3509, 3463..3516, 3623..3673, 3631..3672, 4020..4190, 4021..4191, 4021..4161, 4022..4192, 4023..4169, 4070..4189, 4360..4413, 4371..4421, 4372..4410, 4390..4647, 4415..4687, 4415..4639, 4417..4701, 4686..4754, 4692..4760, 5226..5285		
Seq. No.	57377	Seq. ID	OJ000350_55.0419.C10
Gene No.	120103	Strand	-
Start	1487	End	5500
Name	OJ000350_55.0419.C10.o2.np	Method	AAT/NAP
Start	2742	End	5500
GI	7488560	Score	298
Exons	2742..2765, 3625..3668, 4020..4190, 4374..4751, 5473..5500		
GI Descrip.	inner envelope membrane protein precursor, non-green plastid - wild cabbage gi|1143711|gb|AAA84891.1| (U13631) non-green plastid inner envelope membrane protein precursor [Brassica oleracea]		
Seq. No.	57377	Seq. ID	OJ000350_55.0419.C10
Gene No.	120103	Strand	-
Start	1487	End	5500
Name	OJ000350_55.0419.C10.o1.tc	Method	TBLASTX:Cress
Start	4430	End	4683
GI	none	Score	119
Exons	4430..4666, 4435..4683		
Seq. No.	57378	Seq. ID	OJ000350_55.0419.C11
Gene No.	120104	Strand	+
Start	38	End	254
Name	OJ000350_55.0419.C11.o1.gs	Method	GENSCAN
Start	38	End	254

GI	none	Score	.9
Exons	38..65, 160..254		

Seq. No.	57378	Seq. ID	OJ000350_55.0419.C11
Gene No.	120105	Strand	-
Start	1	End	76
Name	OJ000350_55.0419.C11.o1.gp	Method	AAT/GAP
Start	1	End	76
GI	none	Score	152
Exons	1..76		

Seq. No.	57378	Seq. ID	OJ000350_55.0419.C11
Gene No.	120106	Strand	-
Start	1392	End	1870
Name	OJ000350_55.0419.C11.o2.gp	Method	AAT/GAP
Start	1182	End	1870
GI	38905_1.R1084	Score	711
Exons	1182..1496, 1791..1870		
GI Descrip.	'4895232/gb|AAD32818.1|AC007660_19 8.0e-21 (AC007660) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	57378	Seq. ID	OJ000350_55.0419.C11
Gene No.	120106	Strand	-
Start	1392	End	1870
Name	OJ000350_55.0419.C11.o2.gs	Method	GENSCAN
Start	1392	End	1854
GI	none	Score	.73
Exons	1392..1496, 1791..1854		

Seq. No.	57378	Seq. ID	OJ000350_55.0419.C11
Gene No.	120106	Strand	-
Start	1392	End	1870
Name	OJ000350_55.0419.C11.o1.np	Method	AAT/NAP
Start	1395	End	1855
GI	4895232	Score	163
Exons	1395..1496, 1791..1855		
GI Descrip.	(AC007660) putative methionyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	57379	Seq. ID	OJ000350_55.0419.C14
Gene No.	120107	Strand	+
Start	1	End	1447
Name	OJ000350_55.0419.C14.o1.np	Method	AAT/NAP
Start	1	End	1447
GI	5922636	Score	207
Exons	1..75, 365..494, 1372..1447		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57379	Seq. ID	OJ000350_55.0419.C14
Gene No.	120107	Strand	+
Start	1	End	1447
Name	OJ000350_55.0419.C14.o2.np	Method	AAT/NAP
Start	1	End	893

GI	5777631	Score	44
Exons	1..52, 708..893		
GI Descrip.	(AJ245900) CAA303719.1 protein [Oryza sativa]		

Seq. No.	57379	Seq. ID	OJ000350_55.0419.C14
Gene No.	120107	Strand	+
Start	1	End	1447
Name	OJ000350_55.0419.C14.o1.gp	Method	AAT/GAP
Start	552	End	727
GI	5771106	Score	245
Exons	552..727		
GI Descrip.	5922603/dbj|AP000492.1|AP000492 3.0e-52 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01		

Seq. No.	57380	Seq. ID	OJ000350_55.0419.C15
Gene No.	120108	Strand	-
Start	34	End	115
Name	OJ000350_55.0419.C15.o1.gs	Method	GENSCAN
Start	34	End	115
GI	none	Score	.48
Exons	34..115		

Seq. No.	57381	Seq. ID	OJ000350_55.0419.C16
Gene No.	120109	Strand	+
Start	582	End	812
Name	OJ000350_55.0419.C16.o1.gs	Method	GENSCAN
Start	582	End	812
GI	none	Score	.74
Exons	582..812		

Seq. No.	57381	Seq. ID	OJ000350_55.0419.C16
Gene No.	120110	Strand	+
Start	1428	End	2755
Name	OJ000350_55.0419.C16.o2.gs	Method	GENSCAN
Start	1428	End	2755
GI	none	Score	.81
Exons	1428..1568, 1658..1830, 2697..2755		

Seq. No.	57382	Seq. ID	OJ000350_55.0419.C17
Gene No.	120111	Strand	+
Start	504	End	2913
Name	OJ000350_55.0419.C17.o1.gs	Method	GENSCAN
Start	504	End	972
GI	none	Score	.86
Exons	504..582, 781..819, 860..972		

Seq. No.	57382	Seq. ID	OJ000350_55.0419.C17
Gene No.	120111	Strand	+
Start	504	End	2913
Name	OJ000350_55.0419.C17.o1.np	Method	AAT/NAP
Start	623	End	2913
GI	7248403	Score	271
Exons	623..697, 2300..2653, 2793..2913		
GI Descrip.	(AP001389) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	57382	Seq. ID	OJ000350_55.0419.C17

Gene No.	120111	Strand	+
Start	504	End	2913
Name	OJ000350_55.0419.C17.o2.gs	Method	GENSCAN
Start	1836	End	2144
GI	none	Score	.8
Exons	1836..2144		

Seq. No.	57383	Seq. ID	OJ000350_55.0419.C18
Gene No.	120112	Strand	+
Start	212	End	1325
Name	OJ000350_55.0419.C18.o1.gs	Method	GENSCAN
Start	212	End	1325
GI	none	Score	.75
Exons	212..417, 488..696, 1099..1325		

Seq. No.	57384	Seq. ID	OJ000350_55.0419.C19
Gene No.	120113	Strand	+
Start	57	End	966
Name	OJ000350_55.0419.C19.o1.gs	Method	GENSCAN
Start	57	End	966
GI	none	Score	.66
Exons	57..200, 767..966		

Seq. No.	57385	Seq. ID	OJ000350_55.0419.C21
Gene No.	120114	Strand	+
Start	534	End	1054
Name	OJ000350_55.0419.C21.o1.gs	Method	GENSCAN
Start	534	End	1054
GI	none	Score	.59
Exons	534..559, 586..1054		

Seq. No.	57386	Seq. ID	OJ000350_55.0419.C22
Gene No.	120115	Strand	+
Start	373	End	1640
Name	OJ000350_55.0419.C22.o1.gs	Method	GENSCAN
Start	373	End	1640
GI	none	Score	.48
Exons	373..409, 1462..1640		

Seq. No.	57387	Seq. ID	OJ000350_55.0419.C23
Gene No.	120116	Strand	+
Start	1	End	228
Name	OJ000350_55.0419.C23.o1.gp	Method	AAT/GAP
Start	1	End	228
GI	LIB3431-026-P1-N1-F3	Score	421
Exons	1..228		
GI Descrip.	'5922603/dbj|AP000492.1|AP000492 3.0e-52 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	57387	Seq. ID	OJ000350_55.0419.C23
Gene No.	120117	Strand	-
Start	137	End	745
Name	OJ000350_55.0419.C23.o1.gs	Method	GENSCAN
Start	137	End	745
GI	none	Score	.98
Exons	137..745		

Seq. No.	57387	Seq. ID	OJ000350_55.0419.C23
Gene No.	120117	Strand	-
Start	137	End	745
Name	OJ000350_55.0419.C23.o1.np	Method	AAT/NAP
Start	169	End	706
GI	6630539	Score	309
Exons	169..706		
GI Descrip.	(AC011708) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	57387	Seq. ID	OJ000350_55.0419.C23
Gene No.	120118	Strand	-
Start	695	End	984
Name	OJ000350_55.0419.C23.o1.tm	Method	TBLASTX:Maize
Start	230	End	395
GI	none	Score	168
Exons	230..394, 249..395		

Seq. No.	57387	Seq. ID	OJ000350_55.0419.C23
Gene No.	120118	Strand	-
Start	695	End	984
Name	OJ000350_55.0419.C23.o1.tw	Method	TBLASTX:Wheat
Start	239	End	389
GI	none	Score	141
Exons	239..376, 240..389		

Seq. No.	57387	Seq. ID	OJ000350_55.0419.C23
Gene No.	120118	Strand	-
Start	695	End	984
Name	OJ000350_55.0419.C23.o1.tc	Method	TBLASTX:Cress
Start	248	End	460
GI	none	Score	122
Exons	248..376, 249..380, 380..460		

Seq. No.	57387	Seq. ID	OJ000350_55.0419.C23
Gene No.	120118	Strand	-
Start	695	End	984
Name	OJ000350_55.0419.C23.o1.ts	Method	TBLASTX:Soybean
Start	248	End	389
GI	none	Score	55
Exons	248..358, 248..388, 249..389		

Seq. No.	57387	Seq. ID	OJ000350_55.0419.C23
Gene No.	120118	Strand	-
Start	695	End	984
Name	OJ000350_55.0419.C23.o2.gp	Method	AAT/GAP
Start	695	End	984
GI	9836_1.R1084	Score	517
Exons	695..984		
GI Descrip.	'5922603/dbj|AP000492.1|AP000492 3.0e-52 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	57388	Seq. ID	OJ000350_55.0419.C25
Gene No.	120119	Strand	+
Start	236	End	405
Name	OJ000350_55.0419.C25.o1.gs	Method	GENSCAN
Start	236	End	405

GI	none	Score	.58
Exons	236..405		

Seq. No.	57388	Seq. ID	OJ000350_55.0419.C25
Gene No.	120120	Strand	-
Start	750	End	830
Name	OJ000350_55.0419.C25.o2.gs	Method	GENSCAN
Start	750	End	830
GI	none	Score	.91
Exons	750..830		

Seq. No.	57389	Seq. ID	OJ000350_55.0419.C26
Gene No.	120121	Strand	+
Start	383	End	2220
Name	OJ000350_55.0419.C26.o1.np	Method	AAT/NAP
Start	383	End	2220
GI	7523696	Score	780
Exons	383..450, 704..836, 1347..1508, 1596..1864, 2103..2220		
GI Descrip.	(AC011001) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	57389	Seq. ID	OJ000350_55.0419.C26
Gene No.	120122	Strand	+
Start	3131	End	5104
Name	OJ000350_55.0419.C26.o2.gp	Method	AAT/GAP
Start	3131	End	5104
GI	599_2.R1084	Score	1049
Exons	3131..3180, 3270..3362, 3464..3548, 3730..3860, 4846..5104		
GI Descrip.	'1350969/sp|P49216|RS26_ORYSA 2.0e-41 40S RIBOSOMAL PROTEIN S26 (S31) >gi_971284_dbj_BAA07208_ (D38011) ribosomal protein S31 [Oryza sativa]'		

Seq. No.	57389	Seq. ID	OJ000350_55.0419.C26
Gene No.	120122	Strand	+
Start	3131	End	5104
Name	OJ000350_55.0419.C26.o2.np	Method	AAT/NAP
Start	3267	End	4932
GI	1350969	Score	612
Exons	3267..3362, 3464..3548, 3730..3860, 4846..4932		
GI Descrip.	40S RIBOSOMAL PROTEIN S26 (S31) gi|971284|dbj|BAA07208| (D38011) ribosomal protein S31 [Oryza sativa]		

Seq. No.	57389	Seq. ID	OJ000350_55.0419.C26
Gene No.	120123	Strand	-
Start	696	End	4986
Name	OJ000350_55.0419.C26.o1.tm	Method	TBLASTX:Maize
Start	2	End	1898
GI	none	Score	86
Exons	2..55, 377..475, 698..880, 702..845, 1346..1516, 1347..1517, 1564..1773, 1592..1816, 1599..1898, 1599..1847, 1601..1882		

Seq. No.	57389	Seq. ID	OJ000350_55.0419.C26
Gene No.	120123	Strand	-
Start	696	End	4986
Name	OJ000350_55.0419.C26.o1.gs	Method	GENSCAN
Start	696	End	4986
GI	none	Score	.42
Exons	696..767, 1416..1550, 2100..2234, 2260..2433, 3002..3096,		

3245..3393, 3417..3644, 3795..3891, 4932..4986

Seq. No.	57389	Seq. ID	OJ000350_55.0419.C26
Gene No.	120123	Strand	-
Start	696	End	4986
Name	OJ000350_55.0419.C26.o1.tw	Method	TBLASTX:Wheat
Start	1343	End	1826
GI	none	Score	251
Exons	1343..1495, 1347..1517, 1592..1816, 1599..1826, 1599..1766, 1601..1816		

Seq. No.	57389	Seq. ID	OJ000350_55.0419.C26
Gene No.	120123	Strand	-
Start	696	End	4986
Name	OJ000350_55.0419.C26.o1.ts	Method	TBLASTX:Soybean
Start	1346	End	1886
GI	none	Score	224
Exons	1346..1516, 1347..1517, 1595..1882, 1596..1886		

Seq. No.	57389	Seq. ID	OJ000350_55.0419.C26
Gene No.	120123	Strand	-
Start	696	End	4986
Name	OJ000350_55.0419.C26.o1.gp	Method	AAT/GAP
Start	2063	End	2469
GI	none	Score	798
Exons	2063..2469		

Seq. No.	57389	Seq. ID	OJ000350_55.0419.C26
Gene No.	120123	Strand	-
Start	696	End	4986
Name	OJ000350_55.0419.C26.o2.tm	Method	TBLASTX:Maize
Start	3268	End	3862
GI	none	Score	146
Exons	3268..3363, 3269..3364, 3314..3385, 3461..3550, 3463..3549, 3725..3805, 3729..3800, 3729..3860, 3731..3862		

Seq. No.	57389	Seq. ID	OJ000350_55.0419.C26
Gene No.	120123	Strand	-
Start	696	End	4986
Name	OJ000350_55.0419.C26.o2.ts	Method	TBLASTX:Soybean
Start	3268	End	3851
GI	none	Score	135
Exons	3268..3363, 3269..3367, 3314..3373, 3461..3547, 3463..3540, 3732..3800, 3732..3851		

Seq. No.	57390	Seq. ID	OJ000350_55.0419.C27
Gene No.	120124	Strand	-
Start	440	End	998
Name	OJ000350_55.0419.C27.o1.gs	Method	GENSCAN
Start	440	End	998
GI	none	Score	.51
Exons	440..549, 982..998		

Seq. No.	57391	Seq. ID	OJ000350_55.0419.C28
Gene No.	120125	Strand	+
Start	1380	End	2162
Name	OJ000350_55.0419.C28.o1.gs	Method	GENSCAN

Start	1380	End	2162
GI	none	Score	.84
Exons	1380..1451, 1725..1796, 1938..2162		

Seq. No.	57391	Seq. ID	OJ000350_55.0419.C28
Gene No.	120126	Strand	+
Start	4137	End	4522
Name	OJ000350_55.0419.C28.o2.gs	Method	GENSCAN
Start	4137	End	4522
GI	none	Score	.91
Exons	4137..4297, 4351..4522		

Seq. No.	57392	Seq. ID	OJ000350_55.0419.C30
Gene No.	120127	Strand	+
Start	344	End	2173
Name	OJ000350_55.0419.C30.o1.gp	Method	AAT/GAP
Start	344	End	710
GI	none	Score	692
Exons	344..710		

Seq. No.	57392	Seq. ID	OJ000350_55.0419.C30
Gene No.	120127	Strand	+
Start	344	End	2173
Name	OJ000350_55.0419.C30.o1.np	Method	AAT/NAP
Start	362	End	2173
GI	6714377	Score	510
Exons	362..995, 1817..2173		
GI Descrip.	(AC012562) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	57392	Seq. ID	OJ000350_55.0419.C30
Gene No.	120127	Strand	+
Start	344	End	2173
Name	OJ000350_55.0419.C30.o1.tm	Method	TBLASTX:Maize
Start	467	End	2107
GI	none	Score	40
Exons	467..490, 467..490, 495..530, 496..531, 557..805, 558..806, 604..807, 647..814, 836..880, 837..884, 900..1001, 916..993, 927..1001, 1809..2063, 1810..2106, 1814..2107, 1814..2074, 1993..2079		

Seq. No.	57392	Seq. ID	OJ000350_55.0419.C30
Gene No.	120127	Strand	+
Start	344	End	2173
Name	OJ000350_55.0419.C30.o1.gs	Method	GENSCAN
Start	590	End	2074
GI	none	Score	.62
Exons	590..995, 1817..2074		

Seq. No.	57392	Seq. ID	OJ000350_55.0419.C30
Gene No.	120127	Strand	+
Start	344	End	2173
Name	OJ000350_55.0419.C30.o2.ts	Method	TBLASTX:Soybean
Start	668	End	1001
GI	none	Score	50
Exons	668..724, 782..808, 783..809, 797..979, 798..1001		

Seq. No.	57392	Seq. ID	OJ000350_55.0419.C30

Gene No.	120127	Strand	+
Start	344	End	2173
Name	OJ000350_55.0419.C30.o1.tc	Method	TBLASTX:Cress
Start	1807	End	2053
GI	none	Score	77
Exons	1807..1929, 1810..2052, 1814..2053		

Seq. No.	57392	Seq. ID	OJ000350_55.0419.C30
Gene No.	120127	Strand	+
Start	344	End	2173
Name	OJ000350_55.0419.C30.o1.ts	Method	TBLASTX:Soybean
Start	1814	End	2008
GI	none	Score	94
Exons	1814..1882, 1822..1881, 1883..2008, 1889..2002		

Seq. No.	57393	Seq. ID	OJ000350_55.0419.C31
Gene No.	120128	Strand	+
Start	1	End	631
Name	OJ000350_55.0419.C31.o1.np	Method	AAT/NAP
Start	1	End	631
GI	6714377	Score	497
Exons	1..631		
GI Descrip.	(AC012562) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	57393	Seq. ID	OJ000350_55.0419.C31
Gene No.	120129	Strand	-
Start	913	End	1571
Name	OJ000350_55.0419.C31.o1.ts	Method	TBLASTX:Soybean
Start	16	End	483
GI	none	Score	547
Exons	16..483, 17..481, 19..483		

Seq. No.	57393	Seq. ID	OJ000350_55.0419.C31
Gene No.	120129	Strand	-
Start	913	End	1571
Name	OJ000350_55.0419.C31.o1.tw	Method	TBLASTX:Wheat
Start	37	End	342
GI	none	Score	196
Exons	37..120, 38..340, 211..342		

Seq. No.	57393	Seq. ID	OJ000350_55.0419.C31
Gene No.	120129	Strand	-
Start	913	End	1571
Name	OJ000350_55.0419.C31.o2.tm	Method	TBLASTX:Maize
Start	38	End	358
GI	none	Score	237
Exons	38..358, 52..357		

Seq. No.	57393	Seq. ID	OJ000350_55.0419.C31
Gene No.	120129	Strand	-
Start	913	End	1571
Name	OJ000350_55.0419.C31.o1.tc	Method	TBLASTX:Cress
Start	181	End	538
GI	none	Score	233
Exons	181..390, 182..394, 454..489, 455..538		

Seq. No.	57393	Seq. ID	OJ000350_55.0419.C31

Gene No.	120129	Strand	-
Start	913	End	1571
Name	OJ000350_55.0419.C31.o1.tm	Method	TBLASTX:Maize
Start	407	End	804
GI	none	Score	244
Exons	407..628, 409..741, 769..804		

Seq. No.	57393	Seq. ID	OJ000350_55.0419.C31
Gene No.	120129	Strand	-
Start	913	End	1571
Name	OJ000350_55.0419.C31.o2.gs	Method	GENSCAN
Start	913	End	1571
GI	none	Score	.68
Exons	913..1200, 1542..1571		

Seq. No.	57394	Seq. ID	OJ000350_55.0419.C32
Gene No.	120130	Strand	-
Start	1035	End	1242
Name	OJ000350_55.0419.C32.o1.gs	Method	GENSCAN
Start	1035	End	1242
GI	none	Score	.73
Exons	1035..1242		

Seq. No.	57395	Seq. ID	OJ000350_55.0419.C35
Gene No.	120131	Strand	-
Start	1	End	446
Name	OJ000350_55.0419.C35.o1.gp	Method	AAT/GAP
Start	1	End	446
GI	993_1.R1084	Score	654
Exons	1..112, 220..446		
GI Descrip.	'1041710 1.0e-121 (U30477) expansin Os-EXP2 [Oryza sativa]'		

Seq. No.	57395	Seq. ID	OJ000350_55.0419.C35
Gene No.	120131	Strand	-
Start	1	End	446
Name	OJ000350_55.0419.C35.o1.tc	Method	TBLASTX:Cress
Start	1	End	281
GI	none	Score	116
Exons	1..114, 3..113, 218..280, 219..281		

Seq. No.	57395	Seq. ID	OJ000350_55.0419.C35
Gene No.	120131	Strand	-
Start	1	End	446
Name	OJ000350_55.0419.C35.o1.tm	Method	TBLASTX:Maize
Start	1	End	287
GI	none	Score	172
Exons	1..114, 3..113, 40..126, 65..142, 218..286, 219..287		

Seq. No.	57395	Seq. ID	OJ000350_55.0419.C35
Gene No.	120131	Strand	-
Start	1	End	446
Name	OJ000350_55.0419.C35.o1.np	Method	AAT/NAP
Start	1	End	358
GI	7489471	Score	387
Exons	1..112, 220..358		
GI Descrip.	expansin 2 - rice gi|1041710|gb|AAB38074.1| (U30477) expansin Os-EXP2 [Oryza sativa]		

Seq. No.	57395	Seq. ID	OJ000350_55.0419.C35
Gene No.	120131	Strand	-
Start	1	End	446
Name	OJ000350_55.0419.C35.o1.ts	Method	TBLASTX:Soybean
Start	3	End	281
GI	none	Score	79
Exons	3..113, 3..113, 4..114, 46..126, 218..280, 219..281		

Seq. No.	57395	Seq. ID	OJ000350_55.0419.C35
Gene No.	120131	Strand	-
Start	1	End	446
Name	OJ000350_55.0419.C35.o1.gs	Method	GENSCAN
Start	22	End	358
GI	none	Score	.97
Exons	22..112, 220..358		

Seq. No.	57396	Seq. ID	OJ000350_55.0419.C36
Gene No.	120132	Strand	+
Start	431	End	1345
Name	OJ000350_55.0419.C36.o1.gs	Method	GENSCAN
Start	431	End	1345
GI	none	Score	.44
Exons	431..478, 1043..1171, 1313..1345		

Seq. No.	57397	Seq. ID	OJ000350_55.0419.C37
Gene No.	120133	Strand	+
Start	2784	End	3505
Name	OJ000350_55.0419.C37.o1.gs	Method	GENSCAN
Start	2784	End	3491
GI	none	Score	.61
Exons	2784..3491		

Seq. No.	57397	Seq. ID	OJ000350_55.0419.C37
Gene No.	120133	Strand	+
Start	2784	End	3505
Name	OJ000350_55.0419.C37.o1.np	Method	AAT/NAP
Start	2790	End	3505
GI	7329662	Score	468
Exons	2790..3505		
GI Descrip.	(AL162351) putative protein [Arabidopsis thaliana]		

Seq. No.	57397	Seq. ID	OJ000350_55.0419.C37
Gene No.	120133	Strand	+
Start	2784	End	3505
Name	OJ000350_55.0419.C37.o1.tm	Method	TBLASTX:Maize
Start	2869	End	3038
GI	none	Score	87
Exons	2869..2946, 2891..3037, 2892..3038		

Seq. No.	57398	Seq. ID	OJ000350_55.0419.C38
Gene No.	120134	Strand	+
Start	1	End	2169
Name	OJ000350_55.0419.C38.o1.np	Method	AAT/NAP
Start	1	End	2087
GI	7329662	Score	1419
Exons	1..171, 644..2087		

GI Descrip. (AL162351) putative protein [Arabidopsis thaliana]

Seq. No.	57398	Seq. ID	OJ000350_55.0419.C38
Gene No.	120134	Strand	+
Start	1	End	2169
Name	OJ000350_55.0419.C38.o3.ts	Method	TBLASTX:Soybean
Start	2	End	1057
GI	none	Score	86
Exons	2..172, 2..172, 11..172, 618..959, 632..859, 633..830, 645..824, 647..955, 648..824, 648..968, 700..969, 987..1025, 1037..1057		

Seq. No.	57398	Seq. ID	OJ000350_55.0419.C38
Gene No.	120134	Strand	+
Start	1	End	2169
Name	OJ000350_55.0419.C38.o1.gs	Method	GENSCAN
Start	8	End	1851
GI	none	Score	.49
Exons	8..171, 683..1851		

Seq. No.	57398	Seq. ID	OJ000350_55.0419.C38
Gene No.	120134	Strand	+
Start	1	End	2169
Name	OJ000350_55.0419.C38.o3.tc	Method	TBLASTX:Cress
Start	645	End	1072
GI	none	Score	61
Exons	645..752, 677..955, 678..953, 998..1072		

Seq. No.	57398	Seq. ID	OJ000350_55.0419.C38
Gene No.	120134	Strand	+
Start	1	End	2169
Name	OJ000350_55.0419.C38.o2.tm	Method	TBLASTX:Maize
Start	728	End	968
GI	none	Score	171
Exons	728..883, 729..890, 897..968, 921..962		

Seq. No.	57398	Seq. ID	OJ000350_55.0419.C38
Gene No.	120134	Strand	+
Start	1	End	2169
Name	OJ000350_55.0419.C38.o3.tm	Method	TBLASTX:Maize
Start	1103	End	1241
GI	none	Score	90
Exons	1103..1240, 1128..1241, 1138..1239, 1146..1241		

Seq. No.	57398	Seq. ID	OJ000350_55.0419.C38
Gene No.	120134	Strand	+
Start	1	End	2169
Name	OJ000350_55.0419.C38.o2.ts	Method	TBLASTX:Soybean
Start	1176	End	1514
GI	none	Score	45
Exons	1176..1205, 1211..1501, 1212..1490, 1491..1514		

Seq. No.	57398	Seq. ID	OJ000350_55.0419.C38
Gene No.	120134	Strand	+
Start	1	End	2169
Name	OJ000350_55.0419.C38.o1.tm	Method	TBLASTX:Maize
Start	1242	End	2169
GI	none	Score	823

Exons	1242..1883, 1245..1880, 1591..1887, 1813..1881, 1886..1972, 1889..1972, 1983..2099, 1989..2102, 1990..2169, 2026..2106		
Seq. No.	57398	Seq. ID	OJ000350_55.0419.C38
Gene No.	120134	Strand	+
Start	1	End	2169
Name	OJ000350_55.0419.C38.o1.tc	Method	TBLASTX:Cress
Start	1319	End	1703
GI	none	Score	189
Exons	1319..1513, 1368..1532, 1524..1703, 1524..1700		
Seq. No.	57398	Seq. ID	OJ000350_55.0419.C38
Gene No.	120134	Strand	+
Start	1	End	2169
Name	OJ000350_55.0419.C38.o1.tw	Method	TBLASTX:Wheat
Start	1371	End	1763
GI	none	Score	144
Exons	1371..1598, 1605..1709, 1725..1763		
Seq. No.	57398	Seq. ID	OJ000350_55.0419.C38
Gene No.	120134	Strand	+
Start	1	End	2169
Name	OJ000350_55.0419.C38.o1.ts	Method	TBLASTX:Soybean
Start	1527	End	2054
GI	none	Score	528
Exons	1527..1886, 1527..1883, 1682..1885, 1889..1972, 1985..2050, 1989..2054		
Seq. No.	57398	Seq. ID	OJ000350_55.0419.C38
Gene No.	120134	Strand	+
Start	1	End	2169
Name	OJ000350_55.0419.C38.o2.tc	Method	TBLASTX:Cress
Start	1703	End	1886
GI	none	Score	266
Exons	1703..1885, 1704..1886		
Seq. No.	57399	Seq. ID	OJ000350_55.0419.C39
Gene No.	120135	Strand	-
Start	447	End	562
Name	OJ000350_55.0419.C39.o1.np	Method	AAT/NAP
Start	447	End	562
GI	6815099	Score	88
Exons	447..562		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	57400	Seq. ID	OJ000350_55.0419.C40
Gene No.	120136	Strand	+
Start	1963	End	4178
Name	OJ000350_55.0419.C40.o1.gs	Method	GENSCAN
Start	1963	End	4178
GI	none	Score	.47
Exons	1963..2371, 2811..2971, 4065..4178		
Seq. No.	57400	Seq. ID	OJ000350_55.0419.C40
Gene No.	120137	Strand	+
Start	6043	End	6163
Name	OJ000350_55.0419.C40.o2.gp	Method	AAT/GAP

Start	6043	End	6163
GI	41356_1.R1084	Score	194
Exons	6043..6163		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	57400	Seq. ID	OJ000350_55.0419.C40
Gene No.	120138	Strand	-
Start	2202	End	4187
Name	OJ000350_55.0419.C40.o1.np	Method	AAT/NAP
Start	2202	End	4187
GI	6539570	Score	186
Exons	2202..2256, 3729..3808, 3985..4187		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	57400	Seq. ID	OJ000350_55.0419.C40
Gene No.	120139	Strand	-
Start	4315	End	4397
Name	OJ000350_55.0419.C40.o2.np	Method	AAT/NAP
Start	4315	End	4397
GI	6630699	Score	82
Exons	4315..4397		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	57400	Seq. ID	OJ000350_55.0419.C40
Gene No.	120140	Strand	-
Start	5005	End	5063
Name	OJ000350_55.0419.C40.o1.gp	Method	AAT/GAP
Start	5005	End	5063
GI	2312838	Score	66
Exons	5005..5063		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	57400	Seq. ID	OJ000350_55.0419.C40
Gene No.	120141	Strand	-
Start	5908	End	6126
Name	OJ000350_55.0419.C40.o2.gs	Method	GENSCAN
Start	5908	End	6126
GI	none	Score	.45
Exons	5908..6126		

Seq. No.	57401	Seq. ID	OJ000350_55.0419.C41
Gene No.	120142	Strand	+
Start	1	End	1810
Name	OJ000350_55.0419.C41.o1.np	Method	AAT/NAP
Start	1	End	1810
GI	4895232	Score	157
Exons	1..80, 1005..1147, 1530..1810		
GI Descrip.	(AC007660) putative methionyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	57401	Seq. ID	OJ000350_55.0419.C41
Gene No.	120142	Strand	+
Start	1	End	1810

Name	OJ000350_55.0419.C41.o1.gs	Method	GENSCAN
Start	575	End	1716
GI	none	Score	.85
Exons	575..643, 1054..1161, 1493..1716		

Seq. No.	57401	Seq. ID	OJ000350_55.0419.C41
Gene No.	120142	Strand	+
Start	1	End	1810
Name	OJ000350_55.0419.C41.o1.gp	Method	AAT/GAP
Start	591	End	1716
GI	uC-osflcyp172h10b1	Score	700
Exons	591..643, 1045..1161, 1493..1716		
GI Descrip.	'4895232/gb|AAD32818.1|AC007660_19 8.0e-22 (AC007660) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	57401	Seq. ID	OJ000350_55.0419.C41
Gene No.	120142	Strand	+
Start	1	End	1810
Name	OJ000350_55.0419.C41.o1.tm	Method	TBLASTX:Maize
Start	1535	End	1719
GI	none	Score	46
Exons	1535..1615, 1540..1587, 1546..1638, 1547..1639, 1607..1717, 1607..1717, 1611..1718, 1612..1719		

Seq. No.	57402	Seq. ID	OJ000350_55.0419.C42
Gene No.	120143	Strand	+
Start	284	End	1410
Name	OJ000350_55.0419.C42.o1.gs	Method	GENSCAN
Start	284	End	1410
GI	none	Score	.72
Exons	284..333, 856..982, 1327..1410		

Seq. No.	57403	Seq. ID	OJ000350_55.0419.C44
Gene No.	120144	Strand	+
Start	1693	End	1794
Name	OJ000350_55.0419.C44.o1.np	Method	AAT/NAP
Start	1693	End	1794
GI	7523502	Score	122
Exons	1693..1794		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	57404	Seq. ID	OJ000350_55.0419.C46
Gene No.	120145	Strand	+
Start	704	End	972
Name	OJ000350_55.0419.C46.o1.gp	Method	AAT/GAP
Start	605	End	972
GI	26857_1.R1084	Score	683
Exons	605..972		
GI Descrip.	'6093512/sp|Q39950|NLTP_HELAN 1.0e-16 NONSPECIFIC LIPID-TRANSFER PROTEIN PRECURSOR (LTP) (NSLTP) (SDI-9) >gi_1050918_emb_CAA63340_ (X92648) lipid transfer protein [Helianthus annuus]'		

Seq. No.	57404	Seq. ID	OJ000350_55.0419.C46
Gene No.	120145	Strand	+
Start	704	End	972
Name	OJ000350_55.0419.C46.o1.np	Method	AAT/NAP

Start	701	End	972
GI	6492243	Score	337
Exons	701..972		
GI Descrip.	(AF109195) lipid transfer protein [Hordeum vulgare]		

Seq. No.	57404	Seq. ID	OJ000350_55.0419.C46
Gene No.	120145	Strand	+
Start	704	End	972
Name	OJ000350_55.0419.C46.o2.gs	Method	GENSCAN
Start	704	End	946
GI	none	Score	.98
Exons	704..946		

Seq. No.	57404	Seq. ID	OJ000350_55.0419.C46
Gene No.	120146	Strand	-
Start	128	End	437
Name	OJ000350_55.0419.C46.o1.gs	Method	GENSCAN
Start	128	End	437
GI	none	Score	.54
Exons	128..226, 318..437		

Seq. No.	57404	Seq. ID	OJ000350_55.0419.C46
Gene No.	120147	Strand	
Start	787	End	972
Name	OJ000350_55.0419.C46.o1.tm	Method	TBLASTX:Maize
Start	787	End	967
GI	none	Score	92
Exons	787..861, 788..859, 825..890,	841..966,	842..967

Seq. No.	57404	Seq. ID	OJ000350_55.0419.C46
Gene No.	120147	Strand	
Start	787	End	972
Name	OJ000350_55.0419.C46.o1.tw	Method	TBLASTX:Wheat
Start	787	End	972
GI	none	Score	97
Exons	787..885, 787..972, 788..970		

Seq. No.	57405	Seq. ID	OJ000350_55.0419.C47
Gene No.	120148	Strand	+
Start	1	End	1142
Name	OJ000350_55.0419.C47.o1.gp	Method	AAT/GAP
Start	1	End	384
GI	26857_1.R1084	Score	734
Exons	1..384		
GI Descrip.	'6093512/sp|Q39950|NLTP_HELAN 1.0e-16 NONSPECIFIC LIPID-TRANSFER PROTEIN PRECURSOR (LTP) (NSLTP) (SDI-9) >gi_1050918_emb_CAA63340_ (X92648) lipid transfer protein [Helianthus annuus]'		

Seq. No.	57405	Seq. ID	OJ000350_55.0419.C47
Gene No.	120148	Strand	+
Start	1	End	1142
Name	OJ000350_55.0419.C47.o1.gs	Method	GENSCAN
Start	72	End	1142
GI	none	Score	.42
Exons	72..191, 1071..1142		

Seq. No.	57405	Seq. ID	OJ000350_55.0419.C47
Gene No.	120149	Strand	-
Start	1716	End	2607
Name	OJ000350_55.0419.C47.o2.gs	Method	GENSCAN
Start	1716	End	2607
GI	none	Score	.73
Exons	1716..2150, 2168..2354, 2479..2607		

Seq. No.	57406	Seq. ID	OJ000350_49.0414.C1
Gene No.	120150	Strand	-
Start	421	End	746
Name	OJ000350_49.0414.C1.o1.np	Method	AAT/NAP
Start	401	End	746
GI	3935185	Score	110
Exons	401..527, 553..746		
GI Descrip.	(AC004557) F17L21.28 [Arabidopsis thaliana]		

Seq. No.	57406	Seq. ID	OJ000350_49.0414.C1
Gene No.	120150	Strand	-
Start	421	End	746
Name	OJ000350_49.0414.C1.o1.gs	Method	GENSCAN
Start	421	End	600
GI	none	Score	.89
Exons	421..600		

Seq. No.	57407	Seq. ID	OJ000350_49.0414.C2
Gene No.	120151	Strand	-
Start	637	End	2472
Name	OJ000350_49.0414.C2.o1.np	Method	AAT/NAP
Start	637	End	2472
GI	6907086	Score	1445
Exons	637..784, 842..1016, 1140..1187, 1402..1652, 1710..2472		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	57407	Seq. ID	OJ000350_49.0414.C2
Gene No.	120152	Strand	-
Start	2557	End	2747
Name	OJ000350_49.0414.C2.o1.gp	Method	AAT/GAP
Start	2557	End	2747
GI	5667165	Score	351
Exons	2557..2747		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	57407	Seq. ID	OJ000350_49.0414.C2
Gene No.	120153	Strand	-
Start	5375	End	7562
Name	OJ000350_49.0414.C2.o2.gp	Method	AAT/GAP
Start	5215	End	5590
GI	3767348	Score	701
Exons	5215..5590		
GI Descrip.	322838/pir||JC1438 5.0e-27 glucan endo-1,3-beta-D-glucosidase (EC 3.2.1.39) V - barley		

Seq. No.	57407	Seq. ID	OJ000350_49.0414.C2
Gene No.	120153	Strand	-
Start	5375	End	7562

Name	OJ000350_49.0414.C2.o2.gs	Method	GENSCAN
Start	5375	End	6346
GI	none	Score	.84
Exons	5375..6346		

Seq. No.	57407	Seq. ID	OJ000350_49.0414.C2
Gene No.	120153	Strand	-
Start	5375	End	7562
Name	OJ000350_49.0414.C2.o2.np	Method	AAT/NAP
Start	5381	End	6331
GI	1352328	Score	1154
Exons	5381..6331		
GI Descrip.	GLUCAN ENDO-1,3-BETA-GLUCOSIDASE GV ((1->3)-BETA-GLUCAN ENDOHYDROLASE GV) ((1->3)-BETA-GLUCANASE ISOENZYME GV) (BETA-1,3-ENDOGLUCANASE GV) gi|1085814|pir||S46237 glucan endo-1,3-beta-glucosidase - barley gi|540580|gb|AAA21564.1| (M96939) glucan endo-1,3-beta-glucosidase [Hordeum vulgare]		

Seq. No.	57407	Seq. ID	OJ000350_49.0414.C2
Gene No.	120153	Strand	-
Start	5375	End	7562
Name	OJ000350_49.0414.C2.o1.tw	Method	TBLASTX:Wheat
Start	5382	End	5668
GI	none	Score	266
Exons	5382..5480, 5387..5668, 5391..5663		

Seq. No.	57407	Seq. ID	OJ000350_49.0414.C2
Gene No.	120153	Strand	-
Start	5375	End	7562
Name	OJ000350_49.0414.C2.o1.tc	Method	TBLASTX:Cress
Start	5387	End	6328
GI	none	Score	108
Exons	5387..5722, 5505..5684, 5726..5968, 5746..5832, 5793..5948, 5925..6068, 5933..6151, 6149..6328		

Seq. No.	57407	Seq. ID	OJ000350_49.0414.C2
Gene No.	120153	Strand	-
Start	5375	End	7562
Name	OJ000350_49.0414.C2.o1.tm	Method	TBLASTX:Maize
Start	5387	End	5779
GI	none	Score	299
Exons	5387..5779, 5388..5684, 5740..5778		

Seq. No.	57407	Seq. ID	OJ000350_49.0414.C2
Gene No.	120153	Strand	-
Start	5375	End	7562
Name	OJ000350_49.0414.C2.o1.ts	Method	TBLASTX:Soybean
Start	5387	End	6316
GI	none	Score	100
Exons	5387..5506, 5406..5507, 5507..5701, 5565..5684, 5744..6016, 5790..5861, 6020..6124, 6021..6104, 6158..6316		

Seq. No.	57407	Seq. ID	OJ000350_49.0414.C2
Gene No.	120153	Strand	-
Start	5375	End	7562
Name	OJ000350_49.0414.C2.o4.np	Method	AAT/NAP
Start	5413	End	7258

GI	6006359	Score	62
Exons	5413..5440, 7149..7258		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	57407	Seq. ID	OJ000350_49.0414.C2
Gene No.	120153	Strand	-
Start	5375	End	7562
Name	OJ000350_49.0414.C2.o3.gp	Method	AAT/GAP
Start	5769	End	6094
GI	3767347	Score	648
Exons	5769..6094		
GI Descrip.	1352328/sp|Q02438|E13E_HORVU 1.0e-31 GLUCAN ENDO-1,3-BETA-GLUCOSIDASE GV ((1->3)-BETA-GLUCAN ENDOHYDROLASE GV) ((1->3)-BETA-GLUCANASE ISOENZYME GV) (BETA-1,3-ENDOGLUCANASE GV) >gi_1085814_pir__S46237 glucan endo-1,3-beta-glucosidase - barley >gi_540580 (M96939) glucan endo-1,3-beta-glucosidase [Hordeum vulgare]		

Seq. No.	57407	Seq. ID	OJ000350_49.0414.C2
Gene No.	120153	Strand	-
Start	5375	End	7562
Name	OJ000350_49.0414.C2.o2.tm	Method	TBLASTX:Maize
Start	5780	End	6325
GI	none	Score	59
Exons	5780..6010, 6032..6151, 6137..6325, 6212..6313		

Seq. No.	57407	Seq. ID	OJ000350_49.0414.C2
Gene No.	120153	Strand	-
Start	5375	End	7562
Name	OJ000350_49.0414.C2.o2.tw	Method	TBLASTX:Wheat
Start	5960	End	6293
GI	none	Score	72
Exons	5960..6025, 5964..6026, 6029..6061, 6030..6065, 6077..6142, 6107..6292, 6159..6293		

Seq. No.	57407	Seq. ID	OJ000350_49.0414.C2
Gene No.	120153	Strand	-
Start	5375	End	7562
Name	OJ000350_49.0414.C2.o3.np	Method	AAT/NAP
Start	6487	End	7562
GI	7340920	Score	143
Exons	6487..6602, 7532..7562		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	57408	Seq. ID	OJ000350_49.0414.C3
Gene No.	120154	Strand	+
Start	1	End	124
Name	OJ000350_49.0414.C3.o1.np	Method	AAT/NAP
Start	1	End	124
GI	7340920	Score	138
Exons	1..124		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	57408	Seq. ID	OJ000350_49.0414.C3
Gene No.	120155	Strand	+
Start	1136	End	2515
Name	OJ000350_49.0414.C3.o2.np	Method	AAT/NAP

Start	1136	End	2515
GI	3935185	Score	504
Exons	1136..1556, 1618..2515		
GI Descrip.	(AC004557) F17L21.28 [Arabidopsis thaliana]		

Seq. No.	57408	Seq. ID	OJ000350_49.0414.C3
Gene No.	120155	Strand	+
Start	1136	End	2515
Name	OJ000350_49.0414.C3.o1.gs	Method	GENSCAN
Start	1337	End	2495
GI	none	Score	.88
Exons	1337..1542, 1610..2495		

Seq. No.	57408	Seq. ID	OJ000350_49.0414.C3
Gene No.	120155	Strand	+
Start	1136	End	2515
Name	OJ000350_49.0414.C3.o1.tc	Method	TBLASTX:Cress
Start	1412	End	1841
GI	none	Score	117
Exons	1412..1555, 1441..1554, 1674..1841		

Seq. No.	57409	Seq. ID	OJ000350_49.0414.C4
Gene No.	120156	Strand	+
Start	1	End	756
Name	OJ000350_49.0414.C4.o1.np	Method	AAT/NAP
Start	1	End	756
GI	2498930	Score	100
Exons	1..21, 488..547, 715..756		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	57409	Seq. ID	OJ000350_49.0414.C4
Gene No.	120156	Strand	+
Start	1	End	756
Name	OJ000350_49.0414.C4.o1.gs	Method	GENSCAN
Start	160	End	547
GI	none	Score	.69
Exons	160..179, 244..365, 488..547		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120157	Strand	+
Start	1564	End	1652
Name	OJ000350_49.0414.C7.o1.gs	Method	GENSCAN
Start	1564	End	1652
GI	none	Score	.95
Exons	1564..1652		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120158	Strand	+
Start	7326	End	7770
Name	OJ000350_49.0414.C7.o2.gp	Method	AAT/GAP
Start	7326	End	7770
GI	3219166	Score	626
Exons	7326..7770		
GI Descrip.	6041757/gb|AC011806.1|AC011806 1.0e-94 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120159	Strand	+
Start	10315	End	10734
Name	OJ000350_49.0414.C7.o3.gp	Method	AAT/GAP
Start	10315	End	10734
GI	LIB3431-028-P1-N1-A10	Score	610
Exons	10315..10734		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120160	Strand	+
Start	15562	End	16778
Name	OJ000350_49.0414.C7.o3.np	Method	AAT/NAP
Start	15562	End	16778
GI	6721543	Score	106
Exons	15562..15690, 16344..16419, 16738..16778		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120160	Strand	+
Start	15562	End	16778
Name	OJ000350_49.0414.C7.o5.gp	Method	AAT/GAP
Start	15576	End	15982
GI	7406_1.R1084	Score	665
Exons	15576..15982		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o2.gs	Method	GENSCAN
Start	3437	End	15241
GI	none	Score	.51
Exons	3437..3634, 4147..4302, 4402..4500, 4769..4865, 4955..5128, 5217..5870, 6114..6328, 6401..6993, 7330..7513, 7524..7805, 8921..9160, 9261..9351, 10372..10943, 11255..11442, 11788..11937, 12068..12772, 12905..13033, 13214..13673, 14495..15241		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o6.tw	Method	TBLASTX:Wheat
Start	3452	End	14629
GI	none	Score	84
Exons	3452..3550, 3454..3552, 3461..3553, 14448..14579, 14448..14513, 14450..14629, 14450..14629		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o2.tm	Method	TBLASTX:Maize
Start	3455	End	14730
GI	none	Score	115

Exons	3455..3550, 3459..3545, 14450..14728, 14455..14532, 14456..14728, 14641..14730		
Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o5.tw	Method	TBLASTX:Wheat
Start	6749	End	7088
GI	none	Score	82
Exons	6749..6781, 6785..6925, 6786..6866, 6920..7087, 6939..7088		
Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o1.np	Method	AAT/NAP
Start	10389	End	14737
GI	4680203	Score	3123
Exons	10389..11341, 11618..11848, 12002..13673, 14460..14737		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o1.tw	Method	TBLASTX:Wheat
Start	10443	End	11740
GI	none	Score	41
Exons	10443..10535, 10460..10531, 10533..10589, 10537..10590, 10594..10674, 10596..10712, 10603..10743, 10614..10742, 10690..10785, 10722..10781, 10787..10852, 10788..10829, 10792..10833, 10827..11231, 10843..11235, 11222..11527, 11231..11734, 11232..11735, 11555..11740		
Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o2.tc	Method	TBLASTX:Cress
Start	11010	End	11451
GI	none	Score	103
Exons	11010..11231, 11010..11231, 11014..11235, 11222..11437, 11231..11443, 11232..11447, 11269..11451, 11304..11447		
Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o4.tm	Method	TBLASTX:Maize
Start	11378	End	11692
GI	none	Score	117
Exons	11378..11692, 11406..11681		
Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o4.tw	Method	TBLASTX:Wheat
Start	11741	End	12144
GI	none	Score	54
Exons	11741..11821, 11751..11822, 11855..12022, 11855..12049, 11895..12056, 12025..12075, 12027..12071, 12081..12143,		

12094..12144

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o3.ts	Method	TBLASTX:Soybean
Start	12177	End	12419
GI	none	Score	200
Exons	12177..12419		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o3.tm	Method	TBLASTX:Maize
Start	12249	End	12705
GI	none	Score	120
Exons	12249..12443, 12453..12695, 12454..12705		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o2.tw	Method	TBLASTX:Wheat
Start	12283	End	12752
GI	none	Score	169
Exons	12283..12489, 12283..12492, 12288..12512, 12484..12585, 12490..12582, 12492..12587, 12492..12590, 12576..12698, 12594..12698, 12598..12699, 12696..12752, 12700..12744		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o3.tc	Method	TBLASTX:Cress
Start	12540	End	12888
GI	none	Score	87
Exons	12540..12881, 12544..12687, 12736..12888		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o2.ts	Method	TBLASTX:Soybean
Start	12621	End	13050
GI	none	Score	92
Exons	12621..12917, 12639..12851, 12640..12885, 12912..12974, 12975..13049, 12991..13050		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o3.tw	Method	TBLASTX:Wheat
Start	12966	End	13316
GI	none	Score	162
Exons	12966..13223, 12978..13232, 12991..13224, 13215..13316		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o1.ts	Method	TBLASTX:Soybean

Start	14453	End	15266
GI	none	Score	63
Exons	14453..14677, 14705..14830, 14745..14819, 14831..14899, 14835..14900, 14957..15265, 15099..15266		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o1.tc	Method	TBLASTX:Cress
Start	14468	End	15260
GI	none	Score	104
Exons	14468..14683, 14744..14824, 14819..14899, 14906..15049, 15098..15259, 15099..15260		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o2.np	Method	AAT/NAP
Start	14507	End	16248
GI	7271876	Score	538
Exons	14507..15273, 16197..16248		
GI Descrip.	(AF239617) beta-1,3-glucanase [Vitis vinifera]		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o1.tm	Method	TBLASTX:Maize
Start	14846	End	15276
GI	none	Score	134
Exons	14846..15049, 14846..15049, 15092..15268, 15096..15269, 15150..15272, 15151..15276, 15154..15273		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o7.tw	Method	TBLASTX:Wheat
Start	14879	End	15232
GI	none	Score	98
Exons	14879..14974, 14879..14974, 14978..15022, 14979..15002, 15089..15232, 15099..15227		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o3.gs	Method	GENSCAN
Start	15492	End	19819
GI	none	Score	.73
Exons	15492..15654, 16237..16363, 16514..16716, 16721..16768, 16832..16963, 17054..17091, 17157..17339, 17432..17690, 17767..18065, 18159..18569, 18654..18990, 19096..19246, 19622..19819		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o6.gp	Method	AAT/GAP
Start	15925	End	16378

GI	LIB3431-045-P1-N1-A10	Score	872
Exons	15925..16378		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o4.np	Method	AAT/NAP
Start	16482	End	19958
GI	5441880	Score	2739
Exons	16482..16716, 16832..16963, 17054..17077, 17114..17187, 17432..17690, 17767..18065, 18654..18990, 19096..19246, 19742..19958		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	57410	Seq. ID	OJ000350_49.0414.C7
Gene No.	120161	Strand	-
Start	3437	End	19958
Name	OJ000350_49.0414.C7.o7.gp	Method	AAT/GAP
Start	17440	End	17939
GI	LIB3475-007-P1-K1-G8	Score	789
Exons	17440..17690, 17767..17939		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	57411	Seq. ID	OJ000350_49.0414.C8
Gene No.	120162	Strand	+
Start	2714	End	2840
Name	OJ000350_49.0414.C8.o2.gp	Method	AAT/GAP
Start	2714	End	2840
GI	7406_1.R1084	Score	153
Exons	2714..2840		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	57411	Seq. ID	OJ000350_49.0414.C8
Gene No.	120163	Strand	-
Start	1	End	2275
Name	OJ000350_49.0414.C8.o1.np	Method	AAT/NAP
Start	1	End	2275
GI	7228442	Score	3952
Exons	1..2275		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	57411	Seq. ID	OJ000350_49.0414.C8
Gene No.	120163	Strand	-
Start	1	End	2275
Name	OJ000350_49.0414.C8.o1.gs	Method	GENSCAN
Start	134	End	2275
GI	none	Score	.75
Exons	134..2275		

Seq. No.	57411	Seq. ID	OJ000350_49.0414.C8
Gene No.	120163	Strand	-
Start	1	End	2275
Name	OJ000350_49.0414.C8.o1.tw	Method	TBLASTX:Wheat
Start	587	End	967
GI	none	Score	79
Exons	587..763, 617..763, 648..767, 761..958, 773..967		

Seq. No.	57411	Seq. ID	OJ000350_49.0414.C8
Gene No.	120163	Strand	-
Start	1	End	2275
Name	OJ000350_49.0414.C8.o1.tm	Method	TBLASTX:Maize
Start	665	End	1261
GI	none	Score	151
Exons	665..736, 800..1099, 861..1082, 1133..1261, 1155..1253		

Seq. No.	57411	Seq. ID	OJ000350_49.0414.C8
Gene No.	120163	Strand	-
Start	1	End	2275
Name	OJ000350_49.0414.C8.o1.gp	Method	AAT/GAP
Start	787	End	1218
GI	5701669	Score	841
Exons	787..1218		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120164	Strand	+
Start	2312	End	2427
Name	OJ000350_49.0414.C9.o1.np	Method	AAT/NAP
Start	2312	End	2427
GI	6815099	Score	94
Exons	2312..2427		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120165	Strand	+
Start	7619	End	7680
Name	OJ000350_49.0414.C9.o1.gp	Method	AAT/GAP
Start	7619	End	7680
GI	2312838	Score	67
Exons	7619..7680		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120166	Strand	+
Start	11172	End	11678
Name	OJ000350_49.0414.C9.o2.gp	Method	AAT/GAP
Start	11172	End	11678
GI	38782_1.R1084	Score	786
Exons	11172..11678		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120167	Strand	+
Start	16283	End	18116
Name	OJ000350_49.0414.C9.o4.np	Method	AAT/NAP
Start	16283	End	18116
GI	6983857	Score	1571
Exons	16283..16400, 16464..17025, 17196..17655, 17687..18116		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120168	Strand	+
Start	23431	End	30627
Name	OJ000350_49.0414.C9.o6.gs	Method	GENSCAN
Start	23431	End	28624
GI	none	Score	.49
Exons	23431..23515, 23990..24037, 24726..24833, 24942..25022, 25125..25270, 25355..25429, 25651..25800, 25887..25946, 26028..26099, 26252..28624		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120168	Strand	+
Start	23431	End	30627
Name	OJ000350_49.0414.C9.o7.np	Method	AAT/NAP
Start	25304	End	30627
GI	6539581	Score	1755
Exons	25304..25419, 26224..26699, 26805..28667, 30527..30627		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120169	Strand	-
Start	7119	End	9762
Name	OJ000350_49.0414.C9.o2.gs	Method	GENSCAN
Start	7119	End	8275
GI	none	Score	.56
Exons	7119..7123, 8152..8275		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120169	Strand	-
Start	7119	End	9762
Name	OJ000350_49.0414.C9.o2.np	Method	AAT/NAP
Start	7906	End	9762
GI	6983857	Score	1281
Exons	7906..8350, 8382..8840, 9011..9572, 9635..9762		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120169	Strand	-
Start	7119	End	9762
Name	OJ000350_49.0414.C9.o3.gs	Method	GENSCAN
Start	8991	End	9564
GI	none	Score	.47
Exons	8991..9431, 9526..9564		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120170	Strand	-
Start	10443	End	11424

Name	OJ000350_49.0414.C9.o3.np	Method	AAT/NAP
Start	10443	End	11424
GI	4680186	Score	204
Exons	10443..10864, 11366..11424		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120171	Strand	-
Start	18638	End	22061
Name	OJ000350_49.0414.C9.o5.gs	Method	GENSCAN
Start	18638	End	22061
GI	none	Score	.52
Exons	18638..19578, 19709..20644, 22055..22061		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120171	Strand	-
Start	18638	End	22061
Name	OJ000350_49.0414.C9.o5.np	Method	AAT/NAP
Start	18647	End	19654
GI	4097938	Score	1185
Exons	18647..19654		
GI Descrip.	(U72250) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120171	Strand	-
Start	18638	End	22061
Name	OJ000350_49.0414.C9.o6.np	Method	AAT/NAP
Start	18704	End	19573
GI	3037080	Score	1020
Exons	18704..19573		
GI Descrip.	(AF055328) glucan endo-1,3-beta-glucosidase isoenzyme I [Hordeum vulgare]		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120171	Strand	-
Start	18638	End	22061
Name	OJ000350_49.0414.C9.o4.gp	Method	AAT/GAP
Start	19410	End	19879
GI	428180	Score	632
Exons	19410..19593, 19709..19879		
GI Descrip.	3037080 2.0e-18 (AF055328) glucan endo-1,3-beta-glucosidase isoenzyme I [Hordeum vulgare]		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120171	Strand	-
Start	18638	End	22061
Name	OJ000350_49.0414.C9.o5.gp	Method	AAT/GAP
Start	20413	End	20795
GI	70701_1.R1084	Score	406
Exons	20413..20644, 20768..20795		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120171	Strand	-
Start	18638	End	22061

Name	OJ000350_49.0414.C9.o6.gp	Method	AAT/GAP
Start	20482	End	20867
GI	70701_1.R1084	Score	450
Exons	20482..20644, 20768..20867		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120172	Strand	-
Start	29056	End	30858
Name	OJ000350_49.0414.C9.o1.tw	Method	TBLASTX:Wheat
Start	18633	End	19988
GI	none	Score	236
Exons	18633..18878, 18647..18928, 19708..19983, 19710..19988		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120172	Strand	-
Start	29056	End	30858
Name	OJ000350_49.0414.C9.o1.tc	Method	TBLASTX:Cress
Start	18644	End	20649
GI	none	Score	95
Exons	18644..18982, 18977..19123, 19121..19201, 19208..19351, 19394..19618, 19713..19760, 19779..19820, 19824..20042, 19825..20004, 20046..20288, 20065..20268, 20245..20472, 20253..20471, 20469..20636, 20479..20649		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120172	Strand	-
Start	29056	End	30858
Name	OJ000350_49.0414.C9.o1.tm	Method	TBLASTX:Maize
Start	18644	End	20099
GI	none	Score	353
Exons	18644..19039, 18663..19040, 19699..20004, 19713..20099, 20052..20099		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120172	Strand	-
Start	29056	End	30858
Name	OJ000350_49.0414.C9.o1.ts	Method	TBLASTX:Soybean
Start	18644	End	20636
GI	none	Score	102
Exons	18644..18766, 18666..18767, 18767..18973, 18837..18878, 19004..19132, 19005..19100, 19130..19207, 19137..19223, 19271..19351, 19284..19316, 19412..19573, 19710..19826, 19726..19827, 19827..20021, 19885..20004, 20064..20138, 20064..20336, 20340..20447, 20478..20636		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120172	Strand	-
Start	29056	End	30858
Name	OJ000350_49.0414.C9.o2.tm	Method	TBLASTX:Maize
Start	19148	End	20640
GI	none	Score	169
Exons	19148..19402, 19158..19355, 19321..19368, 19355..19579, 19403..19576, 19434..19631, 19462..19587, 20217..20270, 20220..20273, 20281..20469, 20283..20468, 20424..20636,		

20461..20640

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120172	Strand	-
Start	29056	End	30858
Name	OJ000350_49.0414.C9.o4.tw	Method	TBLASTX:Wheat
Start	19181	End	20612
GI	none	Score	86
Exons	19181..19276, 19182..19277, 19280..19324, 19281..19313, 19360..19380, 19361..19384, 19364..19522, 19385..19534, 19410..19535, 20280..20345, 20284..20355, 20352..20381, 20397..20462, 20472..20612, 20511..20612		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120172	Strand	-
Start	29056	End	30858
Name	OJ000350_49.0414.C9.o4.tm	Method	TBLASTX:Maize
Start	26776	End	27001
GI	none	Score	208
Exons	26776..26925, 26783..27001, 26783..26932		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120172	Strand	-
Start	29056	End	30858
Name	OJ000350_49.0414.C9.o3.tw	Method	TBLASTX:Wheat
Start	26780	End	27169
GI	none	Score	71
Exons	26780..26878, 26855..27169, 27038..27169		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120172	Strand	-
Start	29056	End	30858
Name	OJ000350_49.0414.C9.o2.tc	Method	TBLASTX:Cress
Start	26996	End	27322
GI	none	Score	232
Exons	26996..27232, 27005..27322, 27028..27312		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120172	Strand	-
Start	29056	End	30858
Name	OJ000350_49.0414.C9.o3.tm	Method	TBLASTX:Maize
Start	27005	End	27402
GI	none	Score	311
Exons	27005..27388, 27095..27370, 27106..27402		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120172	Strand	-
Start	29056	End	30858
Name	OJ000350_49.0414.C9.o2.ts	Method	TBLASTX:Soybean
Start	27064	End	27769
GI	none	Score	306
Exons	27064..27354, 27065..27409, 27455..27613, 27701..27769		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120172	Strand	-
Start	29056	End	30858
Name	OJ000350_49.0414.C9.o2.tw	Method	TBLASTX:Wheat

Start	27238	End	27676
GI	none	Score	186
Exons	27238..27414, 27239..27433, 27430..27675, 27434..27676		

Seq. No.	57412	Seq. ID	OJ000350_49.0414.C9
Gene No.	120172	Strand	-
Start	29056	End	30858
Name	OJ000350_49.0414.C9.o7.gs	Method	GENSCAN
Start	29056	End	30858
GI	none	Score	.57
Exons	29056..29079, 29316..29477, 30288..30419, 30687..30858		

Seq. No.	57413	Seq. ID	OJ000350_49.0414.C10
Gene No.	120173	Strand	+
Start	7409	End	8469
Name	OJ000350_49.0414.C10.o2.np	Method	AAT/NAP
Start	7409	End	8469
GI	5803254	Score	678
Exons	7409..8215, 8295..8469		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	57413	Seq. ID	OJ000350_49.0414.C10
Gene No.	120174	Strand	-
Start	1	End	5957
Name	OJ000350_49.0414.C10.o1.np	Method	AAT/NAP
Start	1	End	2564
GI	6539580	Score	574
Exons	1..56, 1317..1545, 1659..1843, 1938..2564		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	57413	Seq. ID	OJ000350_49.0414.C10
Gene No.	120174	Strand	-
Start	1	End	5957
Name	OJ000350_49.0414.C10.o1.gs	Method	GENSCAN
Start	41	End	5957
GI	none	Score	.87
Exons	41..146, 234..359, 482..708, 789..860, 934..1003, 1076..1152, 1241..1559, 1670..1843, 1938..2564, 4009..4071, 4160..4258, 5638..5848, 5899..5957		

Seq. No.	57413	Seq. ID	OJ000350_49.0414.C10
Gene No.	120175	Strand	-
Start	8624	End	11114
Name	OJ000350_49.0414.C10.o3.tm	Method	TBLASTX:Maize
Start	7831	End	8465
GI	none	Score	162
Exons	7831..8058, 7838..8068, 8102..8215, 8305..8403, 8307..8465, 8307..8450, 8315..8464		

Seq. No.	57413	Seq. ID	OJ000350_49.0414.C10
Gene No.	120175	Strand	-
Start	8624	End	11114
Name	OJ000350_49.0414.C10.o1.ts	Method	TBLASTX:Soybean
Start	8612	End	9286
GI	none	Score	55

Exons	8612..9286, 8613..8669, 8766..8861, 8943..9284		
Seq. No.	57413	Seq. ID	OJ000350_49.0414.C10
Gene No.	120175	Strand	-
Start	8624	End	11114
Name	OJ000350_49.0414.C10.o3.np	Method	AAT/NAP
Start	8624	End	11114
GI	4586028	Score	1418
Exons	8624..10480, 10866..11114		
GI Descrip.	(AC007109) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	57413	Seq. ID	OJ000350_49.0414.C10
Gene No.	120175	Strand	-
Start	8624	End	11114
Name	OJ000350_49.0414.C10.o2.tc	Method	TBLASTX:Cress
Start	8640	End	9295
GI	none	Score	89
Exons	8640..8858, 8645..8866, 8915..9022, 9023..9094, 9122..9295		
Seq. No.	57413	Seq. ID	OJ000350_49.0414.C10
Gene No.	120175	Strand	-
Start	8624	End	11114
Name	OJ000350_49.0414.C10.o1.tm	Method	TBLASTX:Maize
Start	8642	End	9304
GI	none	Score	75
Exons	8642..8872, 8697..8876, 8912..9304, 8949..9050, 9093..9281		
Seq. No.	57413	Seq. ID	OJ000350_49.0414.C10
Gene No.	120175	Strand	-
Start	8624	End	11114
Name	OJ000350_49.0414.C10.o2.tw	Method	TBLASTX:Wheat
Start	9050	End	9436
GI	none	Score	46
Exons	9050..9307, 9061..9099, 9165..9290, 9315..9416, 9317..9436		
Seq. No.	57413	Seq. ID	OJ000350_49.0414.C10
Gene No.	120175	Strand	-
Start	8624	End	11114
Name	OJ000350_49.0414.C10.o4.ts	Method	TBLASTX:Soybean
Start	9305	End	9493
GI	none	Score	119
Exons	9305..9493, 9348..9491		
Seq. No.	57413	Seq. ID	OJ000350_49.0414.C10
Gene No.	120175	Strand	-
Start	8624	End	11114
Name	OJ000350_49.0414.C10.o4.tm	Method	TBLASTX:Maize
Start	9413	End	9775
GI	none	Score	255
Exons	9413..9775		
Seq. No.	57413	Seq. ID	OJ000350_49.0414.C10
Gene No.	120175	Strand	-
Start	8624	End	11114
Name	OJ000350_49.0414.C10.o1.tw	Method	TBLASTX:Wheat
Start	9446	End	9993

GI	none	Score	61
Exons	9446..9577, 9446..9658, 9647..9775, 9774..9992, 9880..9993		

Seq. No.	57413	Seq. ID	OJ000350_49.0414.C10
Gene No.	120175	Strand	-
Start	8624	End	11114
Name	OJ000350_49.0414.C10.o2.ts	Method	TBLASTX:Soybean
Start	9662	End	10157
GI	5509260	Score	54
Exons	9662..9775, 9681..9776, 9771..10157, 9772..9834, 9880..10140		
GI Descrip.	-		

Seq. No.	57413	Seq. ID	OJ000350_49.0414.C10
Gene No.	120175	Strand	-
Start	8624	End	11114
Name	OJ000350_49.0414.C10.o1.tc	Method	TBLASTX:Cress
Start	9774	End	10043
GI	none	Score	138
Exons	9774..10043, 9793..10038		

Seq. No.	57413	Seq. ID	OJ000350_49.0414.C10
Gene No.	120175	Strand	-
Start	8624	End	11114
Name	OJ000350_49.0414.C10.o2.tm	Method	TBLASTX:Maize
Start	9813	End	10133
GI	none	Score	175
Exons	9813..10133, 9825..10133		

Seq. No.	57413	Seq. ID	OJ000350_49.0414.C10
Gene No.	120175	Strand	-
Start	8624	End	11114
Name	OJ000350_49.0414.C10.o3.ts	Method	TBLASTX:Soybean
Start	10844	End	10999
GI	none	Score	72
Exons	10844..10999, 10920..10991		

Seq. No.	57414	Seq. ID	OJ000350_49.0414.C11
Gene No.	120176	Strand	-
Start	2914	End	3510
Name	OJ000350_49.0414.C11.o2.tm	Method	TBLASTX:Maize
Start	4	End	346
GI	none	Score	141
Exons	4..216, 4..336, 8..346		

Seq. No.	57414	Seq. ID	OJ000350_49.0414.C11
Gene No.	120176	Strand	-
Start	2914	End	3510
Name	OJ000350_49.0414.C11.o3.tm	Method	TBLASTX:Maize
Start	448	End	701
GI	none	Score	214
Exons	448..678, 449..685, 462..701, 463..687, 564..695		

Seq. No.	57414	Seq. ID	OJ000350_49.0414.C11
Gene No.	120176	Strand	-
Start	2914	End	3510
Name	OJ000350_49.0414.C11.o4.tm	Method	TBLASTX:Maize
Start	1525	End	1707

GI	none	Score	129
Exons	1525..1707, 1527..1697		

Seq. No.	57414	Seq. ID	OJ000350_49.0414.C11
Gene No.	120176	Strand	-
Start	2914	End	3510
Name	OJ000350_49.0414.C11.o1.gp	Method	AAT/GAP
Start	2914	End	3288
GI	3767348	Score	590
Exons	2914..3288		
GI Descrip.	322838/pir||JC1438 5.0e-27 glucan endo-1,3-beta-D-glucosidase (EC 3.2.1.39) V - barley		

Seq. No.	57414	Seq. ID	OJ000350_49.0414.C11
Gene No.	120176	Strand	-
Start	2914	End	3510
Name	OJ000350_49.0414.C11.o2.gs	Method	GENSCAN
Start	3073	End	3438
GI	none	Score	.88
Exons	3073..3438		

Seq. No.	57414	Seq. ID	OJ000350_49.0414.C11
Gene No.	120176	Strand	-
Start	2914	End	3510
Name	OJ000350_49.0414.C11.o4.np	Method	AAT/NAP
Start	3079	End	3510
GI	1352328	Score	583
Exons	3079..3510		
GI Descrip.	GLUCAN ENDO-1,3-BETA-GLUCOSIDASE GV ((1->3)-BETA-GLUCAN ENDOHYDROLASE GV) ((1->3)-BETA-GLUCANASE ISOENZYME GV) (BETA-1,3-ENDOGLUCANASE GV) gi|1085814|pir||S46237 glucan endo-1,3-beta-glucosidase - barley gi|540580|gb|AAA21564.1| (M96939) glucan endo-1,3-beta-glucosidase [Hordeum vulgare]		

Seq. No.	57414	Seq. ID	OJ000350_49.0414.C11
Gene No.	120176	Strand	-
Start	2914	End	3510
Name	OJ000350_49.0414.C11.o1.tw	Method	TBLASTX:Wheat
Start	3080	End	3366
GI	none	Score	274
Exons	3080..3178, 3085..3366, 3089..3361		

Seq. No.	57414	Seq. ID	OJ000350_49.0414.C11
Gene No.	120176	Strand	-
Start	2914	End	3510
Name	OJ000350_49.0414.C11.o1.tc	Method	TBLASTX:Cress
Start	3085	End	3510
GI	none	Score	108
Exons	3085..3420, 3203..3382, 3424..3510		

Seq. No.	57414	Seq. ID	OJ000350_49.0414.C11
Gene No.	120176	Strand	-
Start	2914	End	3510
Name	OJ000350_49.0414.C11.o1.tm	Method	TBLASTX:Maize
Start	3085	End	3478
GI	none	Score	294
Exons	3085..3477, 3086..3382, 3377..3478, 3430..3465		

Seq. No.	57414	Seq. ID	OJ000350_49.0414.C11
Gene No.	120176	Strand	-
Start	2914	End	3510
Name	OJ000350_49.0414.C11.o1.ts	Method	TBLASTX:Soybean
Start	3085	End	3507
GI	none	Score	108
Exons	3085..3204, 3104..3205, 3205..3399, 3263..3382, 3442..3507, 3465..3506		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120177	Strand	+
Start	2373	End	4145
Name	OJ000350_49.0414.C12.o2.gs	Method	GENSCAN
Start	2373	End	4145
GI	none	Score	.47
Exons	2373..2466, 3147..3257, 3325..3398, 4077..4145		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120178	Strand	+
Start	5634	End	6767
Name	OJ000350_49.0414.C12.o3.gs	Method	GENSCAN
Start	5634	End	6605
GI	none	Score	.96
Exons	5634..6605		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120178	Strand	+
Start	5634	End	6767
Name	OJ000350_49.0414.C12.o2.np	Method	AAT/NAP
Start	5649	End	6599
GI	1352328	Score	1163
Exons	5649..6599		
GI Descrip.	GLUCAN ENDO-1,3-BETA-GLUCOSIDASE GV ((1->3)-BETA-GLUCAN ENDOHYDROLASE GV) ((1->3)-BETA-GLUCANASE ISOENZYME GV) (BETA-1,3-ENDOGLUCANASE GV) gi|1085814|pir||S46237 glucan endo-1,3-beta-glucosidase - barley gi|540580|gb|AAA21564.1| (M96939) glucan endo-1,3-beta-glucosidase [Hordeum vulgare]		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120178	Strand	+
Start	5634	End	6767
Name	OJ000350_49.0414.C12.o2.gp	Method	AAT/GAP
Start	5886	End	6211
GI	3767347	Score	628
Exons	5886..6211		
GI Descrip.	1352328/sp|Q02438|E13E_HORVU 1.0e-31 GLUCAN ENDO-1,3-BETA-GLUCOSIDASE GV ((1->3)-BETA-GLUCAN ENDOHYDROLASE GV) ((1->3)-BETA-GLUCANASE ISOENZYME GV) (BETA-1,3-ENDOGLUCANASE GV) >gi_1085814_pir__S46237 glucan endo-1,3-beta-glucosidase - barley >gi_540580 (M96939) glucan endo-1,3-beta-glucosidase [Hordeum vulgare]		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120178	Strand	+
Start	5634	End	6767
Name	OJ000350_49.0414.C12.o3.gp	Method	AAT/GAP

Start	6390	End	6767
GI	3767348	Score	641
Exons	6390..6767		
GI Descrip.	322838/pir||JC1438 5.0e-27 glucan endo-1,3-beta-D-glucosidase (EC 3.2.1.39) V - barley		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120179	Strand	+
Start	7012	End	7791
Name	OJ000350_49.0414.C12.o4.gs	Method	GENSCAN
Start	7012	End	7791
GI	none	Score	.74
Exons	7012..7217, 7309..7383, 7677..7791		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120180	Strand	+
Start	12420	End	38891
Name	OJ000350_49.0414.C12.o7.gs	Method	GENSCAN
Start	12420	End	23288
GI	none	Score	.7
Exons	12420..12483, 13586..13757, 15139..15400, 16491..16580, 16972..17037, 17336..17401, 17503..17591, 17692..17737, 18210..18264, 18497..18573, 18710..18851, 18941..19080, 19152..19256, 19379..19507, 20698..20834, 20952..21212, 21313..21331, 21816..22035, 22164..22831, 22929..23288		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120180	Strand	+
Start	12420	End	38891
Name	OJ000350_49.0414.C12.o6.gp	Method	AAT/GAP
Start	15219	End	17540
GI	42828_1.R1084	Score	1047
Exons	15219..15405, 16257..16388, 16491..16580, 16972..17037, 17336..17401, 17503..17540		
GI Descrip.	'4006877/emb|CAB16795.1| 6.0e-19 (Z99707) RNA-binding like protein [Arabidopsis thaliana]'		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120180	Strand	+
Start	12420	End	38891
Name	OJ000350_49.0414.C12.o4.np	Method	AAT/NAP
Start	16473	End	19519
GI	4006877	Score	666
Exons	16473..16580, 16972..17037, 17503..17591, 18498..18602, 18705..18851, 18947..19080, 19152..19274, 19379..19519		
GI Descrip.	(Z99707) RNA-binding like protein [Arabidopsis thaliana]		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120180	Strand	+
Start	12420	End	38891
Name	OJ000350_49.0414.C12.o7.gp	Method	AAT/GAP
Start	17688	End	19038
GI	LIB3433-037-P1-K1-G2	Score	733
Exons	17688..17737, 18210..18264, 18497..18573, 18710..18851, 18941..19038		
GI Descrip.	'4006877/emb|CAB16795.1| 5.0e-26 (Z99707) RNA-binding like protein [Arabidopsis thaliana]'		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120180	Strand	+
Start	12420	End	38891
Name	OJ000350_49.0414.C12.o8.gp	Method	AAT/GAP
Start	19150	End	20063
GI	45840_1.R1084	Score	1152
Exons	19150..19256, 19379..19507, 19687..20063		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120180	Strand	+
Start	12420	End	38891
Name	OJ000350_49.0414.C12.o5.np	Method	AAT/NAP
Start	20734	End	29939
GI	4262224	Score	1587
Exons	20734..20834, 20952..21212, 21794..22035, 28814..28995, 29097..29516, 29595..29939		
GI Descrip.	(AC006200) putative amino acid permease [Arabidopsis thaliana]		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120180	Strand	+
Start	12420	End	38891
Name	OJ000350_49.0414.C12.o8.gs	Method	GENSCAN
Start	25560	End	38891
GI	none	Score	.56
Exons	25560..25612, 26514..26636, 26691..26844, 27370..27554, 27660..27920, 28027..28045, 28473..28692, 28898..28995, 29097..29938, 30564..30612, 30713..30940, 31770..31999, 32898..33049, 33605..33761, 33845..34019, 34267..34326, 34726..34931, 35033..35293, 35573..35737, 36691..36880, 37339..37558, 37654..37835, 37927..38216, 38339..38447, 38535..38891		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120180	Strand	+
Start	12420	End	38891
Name	OJ000350_49.0414.C12.o10.gp	Method	AAT/GAP
Start	28637	End	29259
GI	uC-osf1M202062f04b1	Score	742
Exons	28637..28692, 28814..28995, 29097..29259		
GI Descrip.	'4262224/gb|AAD14517| 2.0e-39 (AC006200) putative amino acid or GABA permease [Arabidopsis thaliana]'		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120180	Strand	+
Start	12420	End	38891
Name	OJ000350_49.0414.C12.o11.gp	Method	AAT/GAP
Start	29594	End	30056
GI	60111_1.R1084	Score	879
Exons	29594..30056		
GI Descrip.	'2801536 3.0e-22 (AF039531) lysophospholipase homolog [Oryza sativa]'		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120180	Strand	+

Start	12420	End	38891
Name	OJ000350_49.0414.C12.o7.np	Method	AAT/NAP
Start	34030	End	38879
GI	4262224	Score	1583
Exons	34030..34072, 34873..34931, 35033..35315, 37339..37558, 37654..37835, 37927..38216, 38318..38447, 38535..38879		
GI Descrip.	(AC006200) putative amino acid permease [Arabidopsis thaliana]		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120180	Strand	+
Start	12420	End	38891
Name	OJ000350_49.0414.C12.o13.gp	Method	AAT/GAP
Start	36041	End	36591
GI	9531_1.R1084	Score	1047
Exons	36041..36591		
GI Descrip.	'5295954/dbj|BAA81855.1| 7.0e-37 (AB026295) hypothetical protein [Oryza sativa]'		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120181	Strand	+
Start	39533	End	42000
Name	OJ000350_49.0414.C12.o10.np	Method	AAT/NAP
Start	39521	End	41988
GI	2444271	Score	1517
Exons	39521..39621, 39742..40006, 40378..40612, 40733..40914, 41022..41311, 41413..41542, 41641..41988		
GI Descrip.	(AF019637) putative amino acid or GABA permease [Arabidopsis thaliana]		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120181	Strand	+
Start	39533	End	42000
Name	OJ000350_49.0414.C12.o9.gs	Method	GENSCAN
Start	39533	End	42000
GI	none	Score	.87
Exons	39533..39621, 39742..40002, 40257..40275, 40393..40612, 40733..40914, 41022..41311, 41434..41611, 41641..42000		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120182	Strand	+
Start	42688	End	44921
Name	OJ000350_49.0414.C12.o10.gs	Method	GENSCAN
Start	42688	End	44921
GI	none	Score	.92
Exons	42688..42794, 42914..43174, 43261..43279, 43389..43608, 43689..43870, 43963..44252, 44345..44474, 44565..44921		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120182	Strand	+
Start	42688	End	44921
Name	OJ000350_49.0414.C12.o15.np	Method	AAT/NAP
Start	42699	End	44912
GI	2444271	Score	1503
Exons	42699..42794, 42914..43178, 43374..43608, 43689..43870, 43963..44252, 44345..44474, 44565..44912		
GI Descrip.	(AF019637) putative amino acid or GABA permease [Arabidopsis thaliana]		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120183	Strand	-
Start	1	End	673
Name	OJ000350_49.0414.C12.o1.gp	Method	AAT/GAP
Start	1	End	258
GI	3767347	Score	472
Exons	1..258		
GI Descrip.	1352328/sp|Q02438|E13E_HORVU 1.0e-31 GLUCAN ENDO-1,3-BETA-GLUCOSIDASE GV ((1->3)-BETA-GLUCAN ENDOHYDROLASE GV) ((1->3)-BETA-GLUCANASE ISOENZYME GV) (BETA-1,3-ENDOGLUCANASE GV) >gi_1085814_pir__S46237 glucan endo-1,3-beta-glucosidase - barley >gi_540580 (M96939) glucan endo-1,3-beta-glucosidase [Hordeum vulgare]		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120183	Strand	-
Start	1	End	673
Name	OJ000350_49.0414.C12.o1.np	Method	AAT/NAP
Start	1	End	483
GI	322838	Score	542
Exons	1..483		
GI Descrip.	glucan endo-1,3-beta-D-glucosidase (EC 3.2.1.39) V - barley		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120183	Strand	-
Start	1	End	673
Name	OJ000350_49.0414.C12.o1.gs	Method	GENSCAN
Start	22	End	673
GI	none	Score	.95
Exons	22..488, 667..673		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120184	Strand	-
Start	8958	End	9672
Name	OJ000350_49.0414.C12.o5.gs	Method	GENSCAN
Start	8958	End	9572
GI	none	Score	.86
Exons	8958..9572		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120184	Strand	-
Start	8958	End	9672
Name	OJ000350_49.0414.C12.o4.gp	Method	AAT/GAP
Start	9196	End	9672
GI	LIB3432-025-P1-K1-C4	Score	910
Exons	9196..9672		
GI Descrip.	'5231209/gb|AF159061.1|AF159061 2.0e-68 Oryza sativa subsp. indica serine/threonine protein phosphatase PP2A-3 catalytic subunit (PP2A) gene, complete cds'		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120185	Strand	-
Start	10352	End	11647
Name	OJ000350_49.0414.C12.o6.gs	Method	GENSCAN
Start	10352	End	11647
GI	none	Score	.88

Exons	10352..11647		
Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120185	Strand	-
Start	10352	End	11647
Name	OJ000350_49.0414.C12.o3.np	Method	AAT/NAP
Start	10373	End	11609
GI	4678922	Score	1036
Exons	10373..11609		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		
Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120186	Strand	-
Start	30920	End	33479
Name	OJ000350_49.0414.C12.o12.gp	Method	AAT/GAP
Start	30920	End	31335
GI	2428226	Score	260
Exons	30920..30995, 31239..31335		
GI Descrip.	2801536 3.0e-22 (AF039531) lysophospholipase homolog [Oryza sativa]		
Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120186	Strand	-
Start	30920	End	33479
Name	OJ000350_49.0414.C12.o6.np	Method	AAT/NAP
Start	30936	End	33479
GI	6714289	Score	115
Exons	30936..30995, 31239..31310, 31410..31479, 33430..33479		
GI Descrip.	(AC013354) F15H18.13 [Arabidopsis thaliana]		
Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120187	Strand	-
Start	36617	End	37027
Name	OJ000350_49.0414.C12.o14.gp	Method	AAT/GAP
Start	36617	End	37027
GI	LIB3431-022-P1-N1-F9	Score	814
Exons	36617..37027		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 1.0e-174 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		
Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120188	Strand	-
Start	38793	End	44909
Name	OJ000350_49.0414.C12.o1.ts	Method	TBLASTX:Soybean
Start	1	End	6593
GI	none	Score	68
Exons	1..180, 184..288, 185..349, 322..480, 5664..5798, 5852..5959, 5856..5960, 5964..6236, 6119..6190, 6279..6473, 6296..6415, 6473..6574, 6474..6593		
Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120188	Strand	-
Start	38793	End	44909
Name	OJ000350_49.0414.C12.o2.tc	Method	TBLASTX:Cress
Start	34	End	6593
GI	none	Score	76
Exons	34..120, 172..306, 277..480, 5664..5789, 5847..5972, 6024..6110,		

6026..6106, 6119..6238, 6120..6422, 6456..6476, 6480..6593, 6485..6574

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120188	Strand	-
Start	38793	End	44909
Name	OJ000350_49.0414.C12.o2.tw	Method	TBLASTX:Wheat
Start	46	End	6098
GI	none	Score	81
Exons	46..129, 47..145, 47..133, 115..396, 124..219, 125..352, 5748..5798, 5846..5893, 5847..5906, 5901..6029, 5912..6019, 5996..6097, 6015..6098		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120188	Strand	-
Start	38793	End	44909
Name	OJ000350_49.0414.C12.o5.tm	Method	TBLASTX:Maize
Start	61	End	6068
GI	none	Score	76
Exons	61..114, 121..231, 125..313, 127..312, 268..480, 361..504, 384..503, 5662..5763, 5663..5791, 5664..5798, 5847..6017, 5849..6019, 6027..6068		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120188	Strand	-
Start	38793	End	44909
Name	OJ000350_49.0414.C12.o1.tm	Method	TBLASTX:Maize
Start	6201	End	6593
GI	none	Score	525
Exons	6201..6593, 6202..6240, 6296..6592		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120188	Strand	-
Start	38793	End	44909
Name	OJ000350_49.0414.C12.o1.tw	Method	TBLASTX:Wheat
Start	6312	End	6598
GI	none	Score	367
Exons	6312..6593, 6317..6589, 6500..6598		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120188	Strand	-
Start	38793	End	44909
Name	OJ000350_49.0414.C12.o6.tm	Method	TBLASTX:Maize
Start	10801	End	11415
GI	none	Score	98
Exons	10801..10824, 10938..11054, 10940..11053, 11054..11194, 11054..11194, 11240..11314, 11377..11415		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120188	Strand	-
Start	38793	End	44909
Name	OJ000350_49.0414.C12.o2.tm	Method	TBLASTX:Maize
Start	16358	End	19850
GI	none	Score	42
Exons	16358..16396, 16359..16397, 16486..16581, 16490..16585, 16491..16580, 16968..17042, 16971..17036, 17333..17401, 17335..17406, 17335..17445, 17481..17591, 17492..17605,		

17501..17590, 17503..17592, 17675..17737, 17685..17738,
17689..17739, 18206..18262, 18207..18293, 18209..18265,
18487..18573, 18495..18584, 18496..18573, 18707..18754,
18731..18850, 18740..18853, 18741..18851, 18744..18857,
18754..18852, 18941..18994, 18944..18976, 18962..19081,
18978..19091, 18978..19082, 18979..19101, 18982..19080,
19137..19259, 19148..19258, 19149..19265, 19352..19426,
19355..19426, 19415..19507, 19416..19493, 19418..19507,
19718..19774, 19718..19753, 19798..19848, 19800..19850

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120188	Strand	-
Start	38793	End	44909
Name	OJ000350_49.0414.C12.o3.tm	Method	TBLASTX:Maize
Start	20181	End	44909
GI	none	Score	110

Exons 20181..20240, 22603..22725, 22612..22848, 22613..22933,
22900..23031, 22928..23065, 22929..23270, 23010..23072,
23123..23278, 29288..29410, 29297..29509, 29298..29564,
29594..29941, 29595..29738, 29793..29942, 29820..29966,
38127..38216, 38128..38205, 38300..38440, 38304..38444,
38305..38412, 38316..38444, 38533..38574, 38534..38869,
38535..38870, 41219..41311, 41223..41312, 41407..41535,
41411..41539, 41411..41542, 41641..41865, 41641..41874,
41872..41979, 41872..41979, 44163..44252, 44164..44253,
44343..44471, 44343..44483, 44537..44794, 44565..44789,
44792..44908, 44796..44909

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120188	Strand	-
Start	38793	End	44909
Name	OJ000350_49.0414.C12.o1.tc	Method	TBLASTX:Cress
Start	20773	End	44906
GI	none	Score	71

Exons 20773..20835, 20947..21213, 20958..20996, 21060..21215,
21090..21215, 21801..22028, 21804..22043, 22132..22314,
22133..22315, 22411..22848, 22415..22831, 22905..23072,
22928..23263, 23124..23267, 27508..27555, 27528..27554,
27643..27921, 27666..27704, 27768..27923, 28470..28700,
28470..28685, 28565..28714, 28812..28994, 28813..28995,
28816..29004, 28824..29003, 28829..29017, 29096..29551,
29100..29588, 29594..29944, 29595..29738, 29793..29945,
34870..34932, 34884..34931, 35031..35294, 35033..35305,
35145..35345, 37336..37422, 37339..37560, 37474..37551,
37646..37828, 37647..37835, 37915..38205, 37926..38060,
38121..38216, 38304..38444, 38305..38391, 38315..38446,
38316..38447, 38534..38872, 38535..38870, 39560..39634,
39585..39620, 39745..40002, 39749..40006, 39752..40003,
40246..40275, 40375..40605, 40396..40614, 40726..40926,
40731..40922, 41004..41312, 41024..41311, 41407..41541,
41411..41542, 41640..41861, 41641..41787, 41839..41865,
41874..41981, 41875..41979, 42730..42795, 42759..42794,
42914..43003, 42920..43174, 42921..43178, 43052..43180,
43356..43610, 43356..43601, 43687..43869, 43688..43870,
43965..44252, 43966..44253, 44342..44473, 44343..44474,
44564..44785, 44565..44789, 44798..44896, 44799..44906

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120188	Strand	-
Start	38793	End	44909
Name	OJ000350_49.0414.C12.o7.tm	Method	TBLASTX:Maize
Start	20950	End	43186
GI	none	Score	192
Exons	20950..21213, 21042..21200, 27658..27921, 27772..27921, 35031..35294, 35042..35281, 35145..35294, 39736..39990, 39758..40003, 42923..43186, 42930..43175, 43045..43176		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120188	Strand	-
Start	38793	End	44909
Name	OJ000350_49.0414.C12.o3.ts	Method	TBLASTX:Soybean
Start	21042	End	43153
GI	none	Score	89
Exons	21042..21122, 21043..21126, 21129..21191, 21130..21189, 27750..27830, 27751..27834, 27837..27899, 27838..27897, 34885..34953, 35045..35203, 35046..35096, 35088..35207, 35210..35272, 35211..35273, 39575..39622, 39737..39916, 39754..39912, 39919..39981, 39920..39976, 42926..43084, 42969..43088, 43091..43153, 43092..43148		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120188	Strand	-
Start	38793	End	44909
Name	OJ000350_49.0414.C12.o4.tm	Method	TBLASTX:Maize
Start	21803	End	43717
GI	none	Score	220
Exons	21803..22027, 21813..22037, 21813..22031, 21815..22036, 28470..28694, 28470..28688, 28472..28714, 37336..37551, 37338..37430, 37338..37559, 37339..37560, 37653..37682, 40390..40605, 40396..40620, 40732..40761, 43385..43609, 43386..43610, 43688..43717		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120188	Strand	-
Start	38793	End	44909
Name	OJ000350_49.0414.C12.o2.ts	Method	TBLASTX:Soybean
Start	22264	End	44118
GI	none	Score	62
Exons	22264..22311, 22268..22315, 22411..22566, 22415..22567, 22558..22725, 22559..22726, 28939..28995, 28944..28991, 29096..29251, 29100..29252, 29243..29410, 29244..29411, 37773..37835, 37920..38054, 37921..38082, 40858..40926, 40863..40907, 41003..41176, 41004..41177, 43814..43870, 43966..44118		

Seq. No.	57415	Seq. ID	OJ000350_49.0414.C12
Gene No.	120188	Strand	-
Start	38793	End	44909
Name	OJ000350_49.0414.C12.o15.gp	Method	AAT/GAP
Start	38793	End	39146
GI	none	Score	696
Exons	38793..39146		

Seq. No.	57416	Seq. ID	OJ000350_49.0414.C15

Gene No.	120189	Strand	-
Start	1217	End	2032
Name	OJ000350_49.0414.C15.o1.gp	Method	AAT/GAP
Start	1217	End	2032
GI	24989_1.R1084	Score	318
Exons	1217..1426, 2009..2032		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 2.0e-13 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	57417	Seq. ID	OJ000350_49.0414.C16
Gene No.	120190	Strand	+
Start	1	End	91
Name	OJ000350_49.0414.C16.o1.gp	Method	AAT/GAP
Start	1	End	91
GI	24989_1.R1084	Score	154
Exons	1..91		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 2.0e-13 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	57417	Seq. ID	OJ000350_49.0414.C16
Gene No.	120191	Strand	+
Start	704	End	3184
Name	OJ000350_49.0414.C16.o1.gs	Method	GENSCAN
Start	704	End	3023
GI	none	Score	.44
Exons	704..860, 2458..2685, 2857..3023		

Seq. No.	57417	Seq. ID	OJ000350_49.0414.C16
Gene No.	120191	Strand	+
Start	704	End	3184
Name	OJ000350_49.0414.C16.o3.gp	Method	AAT/GAP
Start	2611	End	3184
GI	2428744	Score	767
Exons	2611..2685, 2857..3184		

Seq. No.	57417	Seq. ID	OJ000350_49.0414.C16
Gene No.	120192	Strand	+
Start	4106	End	5073
Name	OJ000350_49.0414.C16.o2.gs	Method	GENSCAN
Start	4106	End	5073
GI	none	Score	.57
Exons	4106..4126, 4828..5073		

Seq. No.	57417	Seq. ID	OJ000350_49.0414.C16
Gene No.	120193	Strand	-
Start	697	End	1608
Name	OJ000350_49.0414.C16.o2.gp	Method	AAT/GAP
Start	697	End	1608
GI	31877_1.R1084	Score	221
Exons	697..774, 909..978, 1591..1608		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	57418	Seq. ID	OJ000350_49.0414.C17
Gene No.	120194	Strand	+
Start	1004	End	3164
Name	OJ000350_49.0414.C17.o1.gs	Method	GENSCAN

Start	1004	End	3164
GI	none	Score	.51
Exons	1004..1205, 3028..3164		

Seq. No.	57418	Seq. ID	OJ000350_49.0414.C17
Gene No.	120194	Strand	+
Start	1004	End	3164
Name	OJ000350_49.0414.C17.o2.np	Method	AAT/NAP
Start	3009	End	3161
GI	7106513	Score	231
Exons	3009..3161		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	57418	Seq. ID	OJ000350_49.0414.C17
Gene No.	120195	Strand	-
Start	1	End	1421
Name	OJ000350_49.0414.C17.o1.np	Method	AAT/NAP
Start	1	End	1277
GI	7106512	Score	130
Exons	1..27, 1059..1144, 1218..1277		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57418	Seq. ID	OJ000350_49.0414.C17
Gene No.	120195	Strand	-
Start	1	End	1421
Name	OJ000350_49.0414.C17.o1.gp	Method	AAT/GAP
Start	1175	End	1421
GI	3761181	Score	437
Exons	1175..1421		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	57418	Seq. ID	OJ000350_49.0414.C17
Gene No.	120196	Strand	-
Start	2288	End	3807
Name	OJ000350_49.0414.C17.o3.np	Method	AAT/NAP
Start	2288	End	3807
GI	7248395	Score	455
Exons	2288..2406, 3335..3807		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	57419	Seq. ID	OJ000350_49.0414.C18
Gene No.	120197	Strand	+
Start	374	End	694
Name	OJ000350_49.0414.C18.o1.gs	Method	GENSCAN
Start	374	End	694
GI	none	Score	.87
Exons	374..479, 591..694		

Seq. No.	57420	Seq. ID	OJ000350_49.0414.C21
Gene No.	120198	Strand	+
Start	9	End	228
Name	OJ000350_49.0414.C21.o1.gs	Method	GENSCAN
Start	9	End	228
GI	none	Score	.85
Exons	9..113, 166..228		

Seq. No.	57421	Seq. ID	OJ000350_49.0414.C24
Gene No.	120199	Strand	+
Start	144	End	536
Name	OJ000350_49.0414.C24.o1.gs	Method	GENSCAN
Start	144	End	536
GI	none	Score	.95
Exons	144..536		

Seq. No.	57422	Seq. ID	OJ000350_49.0414.C27
Gene No.	120200	Strand	-
Start	1	End	710
Name	OJ000350_49.0414.C27.o1.np	Method	AAT/NAP
Start	1	End	710
GI	7248394	Score	293
Exons	1..112, 207..710		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	57422	Seq. ID	OJ000350_49.0414.C27
Gene No.	120200	Strand	-
Start	1	End	710
Name	OJ000350_49.0414.C27.o1.gs	Method	GENSCAN
Start	10	End	661
GI	none	Score	.81
Exons	10..170, 309..487, 603..661		

Seq. No.	57423	Seq. ID	OJ000350_49.0414.C31
Gene No.	120201	Strand	-
Start	59	End	268
Name	OJ000350_49.0414.C31.o1.gs	Method	GENSCAN
Start	59	End	268
GI	none	Score	.66
Exons	59..268		

Seq. No.	57424	Seq. ID	OJ000350_49.0414.C32
Gene No.	120202	Strand	-
Start	172	End	478
Name	OJ000350_49.0414.C32.o1.gp	Method	AAT/GAP
Start	172	End	478
GI	62565_1.R1084	Score	487
Exons	172..478		
GI Descrip.	'2149018/gb|U70541|OSU70541 1.0e-23 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds'		

Seq. No.	57424	Seq. ID	OJ000350_49.0414.C32
Gene No.	120203	Strand	-
Start	1248	End	1376
Name	OJ000350_49.0414.C32.o2.gp	Method	AAT/GAP
Start	1248	End	1376
GI	LIB3433-016-Q6-K6-G7	Score	250
Exons	1248..1376		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 2.0e-39 Oryza sativa genomic		

DNA, chromosome 6, clone:P0538C01'

Seq. No.	57425	Seq. ID	OJ000350_49.0414.C33
Gene No.	120204	Strand	+
Start	461	End	591
Name	OJ000350_49.0414.C33.o1.gs	Method	GENSCAN
Start	461	End	591
GI	none	Score	.94
Exons	461..591		

Seq. No.	57426	Seq. ID	OJ000350_49.0414.C35
Gene No.	120205	Strand	+
Start	234	End	552
Name	OJ000350_49.0414.C35.o1.gs	Method	GENSCAN
Start	234	End	552
GI	none	Score	.85
Exons	234..438, 479..552		

Seq. No.	57427	Seq. ID	OJ000350_49.0414.C36
Gene No.	120206	Strand	+
Start	436	End	1753
Name	OJ000350_49.0414.C36.o1.gs	Method	GENSCAN
Start	436	End	1753
GI	none	Score	.74
Exons	436..718, 1601..1753		

Seq. No.	57428	Seq. ID	OJ000350_49.0414.C38
Gene No.	120207	Strand	-
Start	1	End	1596
Name	OJ000350_49.0414.C38.o1.np	Method	AAT/NAP
Start	1	End	1123
GI	7076798	Score	243
Exons	1..19, 186..1123		
GI Descrip.	(AL132975) probable serine/threonine-specific protein kinase [Arabidopsis thaliana]		

Seq. No.	57428	Seq. ID	OJ000350_49.0414.C38
Gene No.	120207	Strand	-
Start	1	End	1596
Name	OJ000350_49.0414.C38.o1.tm	Method	TBLASTX:Maize
Start	188	End	529
GI	none	Score	64
Exons	188..286, 188..280, 263..382, 275..340, 285..374, 416..529, 417..512		

Seq. No.	57428	Seq. ID	OJ000350_49.0414.C38
Gene No.	120207	Strand	-
Start	1	End	1596
Name	OJ000350_49.0414.C38.o1.gs	Method	GENSCAN
Start	189	End	1596
GI	none	Score	.51
Exons	189..663, 737..790, 960..1596		

Seq. No.	57428	Seq. ID	OJ000350_49.0414.C38
Gene No.	120207	Strand	-
Start	1	End	1596
Name	OJ000350_49.0414.C38.o1.tc	Method	TBLASTX:Cress

Start	221	End	874
GI	none	Score	60
Exons	221..391, 380..565, 749..874		

Seq. No.	57428	Seq. ID	OJ000350_49.0414.C38
Gene No.	120207	Strand	-
Start	1	End	1596
Name	OJ000350_49.0414.C38.o1.ts	Method	TBLASTX:Soybean
Start	224	End	502
GI	none	Score	105
Exons	224..379, 374..502		

Seq. No.	57428	Seq. ID	OJ000350_49.0414.C38
Gene No.	120207	Strand	-
Start	1	End	1596
Name	OJ000350_49.0414.C38.o2.np	Method	AAT/NAP
Start	740	End	1512
GI	6018681	Score	160
Exons	740..1512		
GI Descrip.	(AJ250242) winged bean acidic lectin [Psophocarpus tetragonolobus]		

Seq. No.	57429	Seq. ID	OJ000350_49.0414.C42
Gene No.	120208	Strand	-
Start	1	End	686
Name	OJ000350_49.0414.C42.o1.np	Method	AAT/NAP
Start	1	End	543
GI	7106512	Score	773
Exons	1..410, 484..543		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57429	Seq. ID	OJ000350_49.0414.C42
Gene No.	120208	Strand	-
Start	1	End	686
Name	OJ000350_49.0414.C42.o1.gp	Method	AAT/GAP
Start	441	End	686
GI	3761181	Score	430
Exons	441..686		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	57430	Seq. ID	OJ000350_49.0414.C43
Gene No.	120209	Strand	+
Start	1	End	1374
Name	OJ000350_49.0414.C43.o1.np	Method	AAT/NAP
Start	1	End	1291
GI	7340909	Score	142
Exons	1..43, 808..1291		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	57430	Seq. ID	OJ000350_49.0414.C43
Gene No.	120209	Strand	+
Start	1	End	1374
Name	OJ000350_49.0414.C43.o1.gs	Method	GENSCAN
Start	501	End	1374
GI	none	Score	.44

Exons	501..506, 1021..1374		
Seq. No.	57430	Seq. ID	OJ000350_49.0414.C43
Gene No.	120210	Strand	+
Start	2164	End	2300
Name	OJ000350_49.0414.C43.o1.gp	Method	AAT/GAP
Start	2164	End	2300
GI	LIB3431-027-P1-K1-D5	Score	228
Exons	2164..2300		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		
Seq. No.	57431	Seq. ID	OJ000350_49.0414.C44
Gene No.	120211	Strand	-
Start	1116	End	1144
Name	OJ000350_49.0414.C44.o1.gs	Method	GENSCAN
Start	1116	End	1144
GI	none	Score	.84
Exons	1116..1144		
Seq. No.	57432	Seq. ID	OJ000350_49.0414.C46
Gene No.	120212	Strand	+
Start	59	End	999
Name	OJ000350_49.0414.C46.o1.gs	Method	GENSCAN
Start	59	End	999
GI	none	Score	.89
Exons	59..430, 436..999		
Seq. No.	57432	Seq. ID	OJ000350_49.0414.C46
Gene No.	120213	Strand	-
Start	14	End	993
Name	OJ000350_49.0414.C46.o1.np	Method	AAT/NAP
Start	14	End	804
GI	6573436	Score	226
Exons	14..641, 668..804		
GI Descrip.	Chain A, Lectin Ii From Ulex Europaeus gi|6573437|pdb|1QNW|B Chain B, Lectin Ii From Ulex Europaeus gi|6573438|pdb|1QNW|C Chain C, Lectin Ii From Ulex Europaeus gi|6573439|pdb|1QNW|D Chain D, Lectin Ii From Ulex Europaeus gi|6573440|pdb|1QOO|A Chain A, Lectin Uea-Ii Complexed With Nag gi|6573441|pdb|1QOO|B Chain B, Lectin Uea-Ii Complexed With Nag gi|6573442|pdb|1QOO|C Chain		
Seq. No.	57432	Seq. ID	OJ000350_49.0414.C46
Gene No.	120213	Strand	-
Start	14	End	993
Name	OJ000350_49.0414.C46.o1.tm	Method	TBLASTX:Maize
Start	128	End	397
GI	none	Score	92
Exons	128..346, 234..383, 356..397		
Seq. No.	57432	Seq. ID	OJ000350_49.0414.C46
Gene No.	120213	Strand	-
Start	14	End	993
Name	OJ000350_49.0414.C46.o1.gp	Method	AAT/GAP
Start	525	End	993
GI	2428447	Score	839

Exons	525..993		
Seq. No.	57433	Seq. ID	OJ000350_49.0414.C48
Gene No.	120214	Strand	+
Start	72	End	1086
Name	OJ000350_49.0414.C48.o1.gs	Method	GENSCAN
Start	72	End	1080
GI	none	Score	.47
Exons	72..192, 428..687, 892..1080		
Seq. No.	57433	Seq. ID	OJ000350_49.0414.C48
Gene No.	120214	Strand	+
Start	72	End	1086
Name	OJ000350_49.0414.C48.o1.np	Method	AAT/NAP
Start	490	End	1086
GI	6573436	Score	150
Exons	490..585, 614..1086		
GI Descrip.	Chain A, Lectin Ii From Ulex Europaeus gi|6573437|pdb|1QNW|B Chain B, Lectin Ii From Ulex Europaeus gi|6573438|pdb|1QNW|C Chain C, Lectin Ii From Ulex Europaeus gi|6573439|pdb|1QNW|D Chain D, Lectin Ii From Ulex Europaeus gi|6573440|pdb|1QOO|A Chain A, Lectin Uea-Ii Complexed With Nag gi|6573441|pdb|1QOO|B Chain B, Lectin Uea-Ii Complexed With Nag gi|6573442|pdb|1QOO|C Chain		
Seq. No.	57434	Seq. ID	OJ000350_49.0414.C49
Gene No.	120215	Strand	+
Start	1	End	941
Name	OJ000350_49.0414.C49.o1.np	Method	AAT/NAP
Start	1	End	941
GI	6729489	Score	382
Exons	1..569, 846..941		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		
Seq. No.	57434	Seq. ID	OJ000350_49.0414.C49
Gene No.	120215	Strand	+
Start	1	End	941
Name	OJ000350_49.0414.C49.o1.ts	Method	TBLASTX:Soybean
Start	1	End	381
GI	none	Score	153
Exons	1..114, 3..122, 150..260, 151..261, 304..381		
Seq. No.	57434	Seq. ID	OJ000350_49.0414.C49
Gene No.	120215	Strand	+
Start	1	End	941
Name	OJ000350_49.0414.C49.o1.tc	Method	TBLASTX:Cress
Start	1	End	507
GI	none	Score	168
Exons	1..135, 3..113, 135..266, 139..267, 298..507		
Seq. No.	57434	Seq. ID	OJ000350_49.0414.C49
Gene No.	120215	Strand	+
Start	1	End	941
Name	OJ000350_49.0414.C49.o1.tw	Method	TBLASTX:Wheat
Start	13	End	261
GI	none	Score	213

Exons	13..261, 57..260		
Seq. No.	57434	Seq. ID	OJ000350_49.0414.C49
Gene No.	120215	Strand	+
Start	1	End	941
Name	OJ000350_49.0414.C49.o1.tm	Method	TBLASTX:Maize
Start	16	End	327
GI	none	Score	334
Exons	16..246, 16..234, 18..245, 277..327		
Seq. No.	57435	Seq. ID	OJ000350_49.0414.C51
Gene No.	120216	Strand	-
Start	1	End	1558
Name	OJ000350_49.0414.C51.o1.np	Method	AAT/NAP
Start	1	End	1558
GI	5042447	Score	1680
Exons	1..1558		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	57435	Seq. ID	OJ000350_49.0414.C51
Gene No.	120216	Strand	-
Start	1	End	1558
Name	OJ000350_49.0414.C51.o1.gs	Method	GENSCAN
Start	22	End	1556
GI	none	Score	.67
Exons	22..1030, 1079..1178, 1245..1556		
Seq. No.	57435	Seq. ID	OJ000350_49.0414.C51
Gene No.	120216	Strand	-
Start	1	End	1558
Name	OJ000350_49.0414.C51.o1.tm	Method	TBLASTX:Maize
Start	81	End	528
GI	none	Score	66
Exons	81..524, 286..528		
Seq. No.	57435	Seq. ID	OJ000350_49.0414.C51
Gene No.	120216	Strand	-
Start	1	End	1558
Name	OJ000350_49.0414.C51.o1.tw	Method	TBLASTX:Wheat
Start	110	End	594
GI	none	Score	207
Exons	110..484, 111..593, 114..557, 154..594		
Seq. No.	57435	Seq. ID	OJ000350_49.0414.C51
Gene No.	120216	Strand	-
Start	1	End	1558
Name	OJ000350_49.0414.C51.o1.ts	Method	TBLASTX:Soybean
Start	243	End	557
GI	none	Score	198
Exons	243..557		
Seq. No.	57435	Seq. ID	OJ000350_49.0414.C51
Gene No.	120216	Strand	-
Start	1	End	1558
Name	OJ000350_49.0414.C51.o2.tm	Method	TBLASTX:Maize
Start	529	End	722
GI	none	Score	156

Exons	529..684, 531..722		
Seq. No.	57435	Seq. ID	OJ000350_49.0414.C51
Gene No.	120216	Strand	-
Start	1	End	1558
Name	OJ000350_49.0414.C51.o2.tw	Method	TBLASTX:Wheat
Start	726	End	1079
GI	none	Score	59
Exons	726..1079, 795..989		
Seq. No.	57436	Seq. ID	OJ000350_49.0414.C52
Gene No.	120217	Strand	-
Start	1	End	2884
Name	OJ000350_49.0414.C52.o1.np	Method	AAT/NAP
Start	1	End	605
GI	6983861	Score	1044
Exons	1..605		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		
Seq. No.	57436	Seq. ID	OJ000350_49.0414.C52
Gene No.	120217	Strand	-
Start	1	End	2884
Name	OJ000350_49.0414.C52.o1.gs	Method	GENSCAN
Start	140	End	2162
GI	none	Score	.76
Exons	140..605, 2043..2162		
Seq. No.	57436	Seq. ID	OJ000350_49.0414.C52
Gene No.	120217	Strand	-
Start	1	End	2884
Name	OJ000350_49.0414.C52.o2.np	Method	AAT/NAP
Start	1790	End	2884
GI	6063554	Score	95
Exons	1790..1961, 2862..2884		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	57437	Seq. ID	OJ000310_40.0424.C4
Gene No.	120218	Strand	+
Start	316	End	443
Name	OJ000310_40.0424.C4.o1.np	Method	AAT/NAP
Start	316	End	443
GI	6456162	Score	76
Exons	316..443		
GI Descrip.	(AC011622) putative cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	57437	Seq. ID	OJ000310_40.0424.C4
Gene No.	120219	Strand	+
Start	2569	End	3660
Name	OJ000310_40.0424.C4.o3.np	Method	AAT/NAP
Start	2569	End	3660
GI	6815053	Score	727
Exons	2569..2737, 3221..3375, 3425..3660		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	57437	Seq. ID	OJ000310_40.0424.C4
Gene No.	120220	Strand	+
Start	5487	End	6159
Name	OJ000310_40.0424.C4.o2.gs	Method	GENSCAN
Start	5487	End	6159
GI	none	Score	1
Exons	5487..6159		

Seq. No.	57437	Seq. ID	OJ000310_40.0424.C4
Gene No.	120221	Strand	-
Start	99	End	5139
Name	OJ000310_40.0424.C4.o2.np	Method	AAT/NAP
Start	99	End	2632
GI	7340909	Score	149
Exons	99..256, 718..869, 1022..1213, 2602..2632		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	57437	Seq. ID	OJ000310_40.0424.C4
Gene No.	120221	Strand	-
Start	99	End	5139
Name	OJ000310_40.0424.C4.o1.gs	Method	GENSCAN
Start	332	End	5139
GI	none	Score	.52
Exons	332..610, 745..977, 1849..1904, 2809..2874, 4988..5139		

Seq. No.	57437	Seq. ID	OJ000310_40.0424.C4
Gene No.	120222	Strand	
Start	5664	End	5921
Name	OJ000310_40.0424.C4.o1.tm	Method	TBLASTX:Maize
Start	5664	End	5921
GI	none	Score	197
Exons	5664..5864, 5760..5921, 5818..5919		

Seq. No.	57438	Seq. ID	OJ000310_40.0424.C5
Gene No.	120223	Strand	+
Start	1	End	1216
Name	OJ000310_40.0424.C5.o1.gp	Method	AAT/GAP
Start	1	End	250
GI	5005341	Score	500
Exons	1..250		
GI Descrip.	2462822 4.0e-16 (AF000657) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	57438	Seq. ID	OJ000310_40.0424.C5
Gene No.	120223	Strand	+
Start	1	End	1216
Name	OJ000310_40.0424.C5.o1.np	Method	AAT/NAP
Start	1	End	1123
GI	7329656	Score	611
Exons	1..863, 1057..1123		
GI Descrip.	(AL162351) putative protein [Arabidopsis thaliana]		

Seq. No.	57438	Seq. ID	OJ000310_40.0424.C5
Gene No.	120223	Strand	+
Start	1	End	1216
Name	OJ000310_40.0424.C5.o1.tw	Method	TBLASTX:Wheat
Start	2	End	310

GI	none	Score	419
Exons	2..310, 3..308		
Seq. No.	57438	Seq. ID	OJ000310_40.0424.C5
Gene No.	120223	Strand	+
Start	1	End	1216
Name	OJ000310_40.0424.C5.o2.tm	Method	TBLASTX:Maize
Start	21	End	332
GI	none	Score	58
Exons	21..278, 77..331, 78..332		
Seq. No.	57438	Seq. ID	OJ000310_40.0424.C5
Gene No.	120223	Strand	+
Start	1	End	1216
Name	OJ000310_40.0424.C5.o1.ts	Method	TBLASTX:Soybean
Start	96	End	524
GI	none	Score	245
Exons	96..524, 188..355		
Seq. No.	57438	Seq. ID	OJ000310_40.0424.C5
Gene No.	120223	Strand	+
Start	1	End	1216
Name	OJ000310_40.0424.C5.o1.tm	Method	TBLASTX:Maize
Start	332	End	737
GI	none	Score	204
Exons	332..430, 333..737, 340..519, 357..737		
Seq. No.	57438	Seq. ID	OJ000310_40.0424.C5
Gene No.	120223	Strand	+
Start	1	End	1216
Name	OJ000310_40.0424.C5.o2.ts	Method	TBLASTX:Soybean
Start	594	End	899
GI	none	Score	182
Exons	594..899, 608..751		
Seq. No.	57438	Seq. ID	OJ000310_40.0424.C5
Gene No.	120223	Strand	+
Start	1	End	1216
Name	OJ000310_40.0424.C5.o2.gp	Method	AAT/GAP
Start	620	End	1216
GI	15819_1.R1084	Score	1159
Exons	620..1216		
GI Descrip.	'2462822 4.0e-16 (AF000657) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	57439	Seq. ID	OJ000310_40.0424.C6
Gene No.	120224	Strand	+
Start	4586	End	6499
Name	OJ000310_40.0424.C6.o3.gs	Method	GENSCAN
Start	4586	End	6499
GI	none	Score	.41
Exons	4586..5800, 5857..5924, 6388..6499		
Seq. No.	57439	Seq. ID	OJ000310_40.0424.C6
Gene No.	120224	Strand	+
Start	4586	End	6499
Name	OJ000310_40.0424.C6.o2.np	Method	AAT/NAP

Start	4703	End	5893
GI	2583128	Score	502
Exons	4703..5893		
GI Descrip.	(AC002387) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	57439	Seq. ID	OJ000310_40.0424.C6
Gene No.	120225	Strand	-
Start	2537	End	3820
Name	OJ000310_40.0424.C6.o1.np	Method	AAT/NAP
Start	2503	End	2688
GI	4185133	Score	69
Exons	2503..2688		
GI Descrip.	(AC005724) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	57439	Seq. ID	OJ000310_40.0424.C6
Gene No.	120225	Strand	-
Start	2537	End	3820
Name	OJ000310_40.0424.C6.o2.gs	Method	GENSCAN
Start	2537	End	3820
GI	none	Score	.81
Exons	2537..3018, 3691..3820		

Seq. No.	57439	Seq. ID	OJ000310_40.0424.C6
Gene No.	120226	Strand	-
Start	6161	End	6674
Name	OJ000310_40.0424.C6.o1.tm	Method	TBLASTX:Maize
Start	4823	End	5883
GI	none	Score	103
Exons	4823..4984, 5216..5446, 5465..5650, 5477..5791, 5491..5805, 5554..5805, 5794..5883, 5795..5875		

Seq. No.	57439	Seq. ID	OJ000310_40.0424.C6
Gene No.	120226	Strand	-
Start	6161	End	6674
Name	OJ000310_40.0424.C6.o3.ts	Method	TBLASTX:Soybean
Start	4823	End	5413
GI	none	Score	107
Exons	4823..4996, 5027..5164, 5216..5413, 5255..5320		

Seq. No.	57439	Seq. ID	OJ000310_40.0424.C6
Gene No.	120226	Strand	-
Start	6161	End	6674
Name	OJ000310_40.0424.C6.o2.tc	Method	TBLASTX:Cress
Start	5465	End	5761
GI	none	Score	195
Exons	5465..5761, 5503..5706, 5690..5761		

Seq. No.	57439	Seq. ID	OJ000310_40.0424.C6
Gene No.	120226	Strand	-
Start	6161	End	6674
Name	OJ000310_40.0424.C6.o2.ts	Method	TBLASTX:Soybean
Start	5477	End	5853
GI	none	Score	247
Exons	5477..5716, 5477..5650, 5503..5706, 5717..5770, 5719..5805, 5794..5853		

Seq. No.	57439	Seq. ID	OJ000310_40.0424.C6
Gene No.	120226	Strand	-
Start	6161	End	6674
Name	OJ000310_40.0424.C6.o1.gp	Method	AAT/GAP
Start	6161	End	6674
GI	4850_1.R1084	Score	635
Exons	6161..6450, 6564..6674		
GI Descrip.	'499099 2.0e-27 (U09942) beta-galactosidase alpha-peptide [Cloning vector pDB31]'		

Seq. No.	57439	Seq. ID	OJ000310_40.0424.C6
Gene No.	120226	Strand	-
Start	6161	End	6674
Name	OJ000310_40.0424.C6.o1.ts	Method	TBLASTX:Soybean
Start	6263	End	6630
GI	none	Score	136
Exons	6263..6451, 6274..6468, 6279..6416, 6545..6628, 6547..6630		

Seq. No.	57439	Seq. ID	OJ000310_40.0424.C6
Gene No.	120226	Strand	-
Start	6161	End	6674
Name	OJ000310_40.0424.C6.o1.tc	Method	TBLASTX:Cress
Start	6281	End	6630
GI	none	Score	112
Exons	6281..6451, 6282..6416, 6388..6456, 6545..6628, 6547..6630		

Seq. No.	57439	Seq. ID	OJ000310_40.0424.C6
Gene No.	120226	Strand	-
Start	6161	End	6674
Name	OJ000310_40.0424.C6.o2.tm	Method	TBLASTX:Maize
Start	6357	End	6632
GI	none	Score	90
Exons	6357..6416, 6357..6413, 6358..6456, 6359..6451, 6545..6628, 6547..6630, 6547..6630, 6570..6632		

Seq. No.	57440	Seq. ID	OJ000310_40.0424.C7
Gene No.	120227	Strand	-
Start	664	End	1210
Name	OJ000310_40.0424.C7.o1.gs	Method	GENSCAN
Start	664	End	1210
GI	none	Score	.64
Exons	664..834, 1118..1210		

Seq. No.	57441	Seq. ID	OJ000310_40.0424.C8
Gene No.	120228	Strand	-
Start	1215	End	2171
Name	OJ000310_40.0424.C8.o1.gs	Method	GENSCAN
Start	1215	End	2171
GI	none	Score	.82
Exons	1215..2044, 2102..2171		

Seq. No.	57442	Seq. ID	OJ000310_40.0424.C9
Gene No.	120229	Strand	-
Start	36	End	1312
Name	OJ000310_40.0424.C9.o1.gs	Method	GENSCAN
Start	36	End	1054
GI	none	Score	.64

Exons	36..272, 970..1054		
Seq. No.	57442	Seq. ID	OJ000310_40.0424.C9
Gene No.	120229	Strand	-
Start	36	End	1312
Name	OJ000310_40.0424.C9.o1.tm	Method	TBLASTX:Maize
Start	921	End	1312
GI	none	Score	209
Exons	921..1244, 925..1269, 926..1270, 1240..1311, 1274..1312		
Seq. No.	57443	Seq. ID	OJ000310_40.0424.C11
Gene No.	120230	Strand	-
Start	2117	End	3250
Name	OJ000310_40.0424.C11.o1.np	Method	AAT/NAP
Start	2117	End	3250
GI	1946376	Score	280
Exons	2117..2533, 2597..3086, 3181..3250		
GI Descrip.	(U93215) unknown protein [Arabidopsis thaliana]		
Seq. No.	57443	Seq. ID	OJ000310_40.0424.C11
Gene No.	120230	Strand	-
Start	2117	End	3250
Name	OJ000310_40.0424.C11.o1.tc	Method	TBLASTX:Cress
Start	2117	End	2324
GI	none	Score	81
Exons	2117..2323, 2238..2324		
Seq. No.	57444	Seq. ID	OJ000310_40.0424.C14
Gene No.	120231	Strand	+
Start	159	End	1767
Name	OJ000310_40.0424.C14.o1.gs	Method	GENSCAN
Start	159	End	1767
GI	none	Score	.4
Exons	159..316, 1614..1767		
Seq. No.	57444	Seq. ID	OJ000310_40.0424.C14
Gene No.	120232	Strand	-
Start	1853	End	2524
Name	OJ000310_40.0424.C14.o2.gs	Method	GENSCAN
Start	1853	End	2524
GI	none	Score	.52
Exons	1853..1893, 1936..2524		
Seq. No.	57444	Seq. ID	OJ000310_40.0424.C14
Gene No.	120233	Strand	-
Start	3364	End	4774
Name	OJ000310_40.0424.C14.o1.gp	Method	AAT/GAP
Start	3061	End	4636
GI	599_2.R1084	Score	703
Exons	3061..3108, 3262..3520, 4506..4636		
GI Descrip.	'1350969/sp|P49216|RS26_ORYSA 2.0e-41 40S RIBOSOMAL PROTEIN S26 (S31) >gi_971284_dbj_BAA07208_ (D38011) ribosomal protein S31 [Oryza sativa]'		
Seq. No.	57444	Seq. ID	OJ000310_40.0424.C14
Gene No.	120233	Strand	-
Start	3364	End	4774

Name	OJ000310_40.0424.C14.o3.gs	Method	GENSCAN
Start	3364	End	4636
GI	none	Score	.67
Exons	3364..3537, 4506..4636		

Seq. No.	57444	Seq. ID	OJ000310_40.0424.C14
Gene No.	120233	Strand	-
Start	3364	End	4774
Name	OJ000310_40.0424.C14.o1.np	Method	AAT/NAP
Start	3434	End	4774
GI	1350969	Score	338
Exons	3434..3520, 4506..4647, 4745..4774		
GI Descrip.	40S RIBOSOMAL PROTEIN S26 (S31) gi|971284|dbj|BAA07208| (D38011) ribosomal protein S31 [Oryza sativa]		

Seq. No.	57445	Seq. ID	OJ000310_40.0424.C18
Gene No.	120234	Strand	-
Start	1	End	1704
Name	OJ000310_40.0424.C18.o1.np	Method	AAT/NAP
Start	1	End	1704
GI	5381253	Score	69
Exons	1..79, 916..1198, 1685..1704		
GI Descrip.	(AB027752) peroxidase [Nicotiana tabacum]		

Seq. No.	57445	Seq. ID	OJ000310_40.0424.C18
Gene No.	120234	Strand	-
Start	1	End	1704
Name	OJ000310_40.0424.C18.o1.gs	Method	GENSCAN
Start	239	End	1583
GI	none	Score	.75
Exons	239..369, 547..580, 865..1062, 1287..1466, 1476..1583		

Seq. No.	57445	Seq. ID	OJ000310_40.0424.C18
Gene No.	120234	Strand	-
Start	1	End	1704
Name	OJ000310_40.0424.C18.o1.tm	Method	TBLASTX:Maize
Start	1275	End	1508
GI	none	Score	41
Exons	1275..1307, 1296..1508, 1332..1505		

Seq. No.	57446	Seq. ID	OJ000310_40.0424.C19
Gene No.	120235	Strand	+
Start	878	End	2009
Name	OJ000310_40.0424.C19.o1.gs	Method	GENSCAN
Start	878	End	2009
GI	none	Score	.73
Exons	878..891, 1177..1477, 1569..2009		

Seq. No.	57446	Seq. ID	OJ000310_40.0424.C19
Gene No.	120235	Strand	+
Start	878	End	2009
Name	OJ000310_40.0424.C19.o1.np	Method	AAT/NAP
Start	1163	End	2006
GI	2651309	Score	488
Exons	1163..1265, 1308..1477, 1569..1833, 1885..2006		
GI Descrip.	(AC002336) unknown protein [Arabidopsis thaliana]		

Seq. No.	57446	Seq. ID	OJ000310_40.0424.C19
Gene No.	120236	Strand	-
Start	2245	End	2750
Name	OJ000310_40.0424.C19.o1.tc	Method	TBLASTX:Cress
Start	1175	End	1790
GI	none	Score	66
Exons	1175..1222, 1306..1473, 1307..1477, 1568..1789, 1569..1790		

Seq. No.	57446	Seq. ID	OJ000310_40.0424.C19
Gene No.	120236	Strand	-
Start	2245	End	2750
Name	OJ000310_40.0424.C19.o1.ts	Method	TBLASTX:Soybean
Start	1175	End	1474
GI	none	Score	69
Exons	1175..1222, 1298..1474, 1306..1473		

Seq. No.	57446	Seq. ID	OJ000310_40.0424.C19
Gene No.	120236	Strand	-
Start	2245	End	2750
Name	OJ000310_40.0424.C19.o1.tm	Method	TBLASTX:Maize
Start	1336	End	1661
GI	none	Score	211
Exons	1336..1473, 1337..1474, 1563..1661, 1566..1661		

Seq. No.	57446	Seq. ID	OJ000310_40.0424.C19
Gene No.	120236	Strand	-
Start	2245	End	2750
Name	OJ000310_40.0424.C19.o2.gs	Method	GENSCAN
Start	2245	End	2750
GI	none	Score	.47
Exons	2245..2302, 2668..2750		

Seq. No.	57447	Seq. ID	OJ000310_40.0424.C22
Gene No.	120237	Strand	+
Start	78	End	552
Name	OJ000310_40.0424.C22.o1.gs	Method	GENSCAN
Start	78	End	552
GI	none	Score	.72
Exons	78..552		

Seq. No.	57447	Seq. ID	OJ000310_40.0424.C22
Gene No.	120238	Strand	-
Start	1	End	2363
Name	OJ000310_40.0424.C22.o1.np	Method	AAT/NAP
Start	1	End	2363
GI	6063557	Score	400
Exons	1..68, 411..580, 829..1014, 2281..2363		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	57447	Seq. ID	OJ000310_40.0424.C22
Gene No.	120238	Strand	-
Start	1	End	2363
Name	OJ000310_40.0424.C22.o1.gp	Method	AAT/GAP
Start	394	End	558
GI	uC-osflcyp169h02b1	Score	211
Exons	394..558		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 3.0e-33 Oryza sativa genomic		

DNA, chromosome 3, clone:P0043E01'

Seq. No.	57447	Seq. ID	OJ000310_40.0424.C22
Gene No.	120238	Strand	-
Start	1	End	2363
Name	OJ000310_40.0424.C22.o2.gs	Method	GENSCAN
Start	844	End	1546
GI	none	Score	.85
Exons	844..1014, 1382..1473, 1528..1546		

Seq. No.	57448	Seq. ID	OJ000310_40.0424.C27
Gene No.	120239	Strand	+
Start	2454	End	3472
Name	OJ000310_40.0424.C27.o2.np	Method	AAT/NAP
Start	2454	End	3472
GI	1346301	Score	130
Exons	2454..2515, 3275..3472		
GI Descrip.	3-HYDROXY-3-METHYLGLUTARYL-COENZYME A REDUCTASE (HMG-COA REDUCTASE) gi|1071805|pir||S46314 hydroxymethylglutaryl CoA reductase - rice gi|455459 (L28995) 3-hydroxy-3-methylglutaryl coenzyme A reductase [Oryza sativa]		

Seq. No.	57448	Seq. ID	OJ000310_40.0424.C27
Gene No.	120240	Strand	+
Start	4377	End	4949
Name	OJ000310_40.0424.C27.o3.gs	Method	GENSCAN
Start	4377	End	4949
GI	none	Score	.91
Exons	4377..4949		

Seq. No.	57448	Seq. ID	OJ000310_40.0424.C27
Gene No.	120241	Strand	-
Start	1	End	581
Name	OJ000310_40.0424.C27.o1.np	Method	AAT/NAP
Start	1	End	581
GI	7446373	Score	834
Exons	1..581		
GI Descrip.	probable serine/threonine protein kinase (EC 2.7.1.-) SNFL3 - sorghum gi|3256035|emb|CAA74646.1| (Y14274) putative serine/threonine protein kinase [Sorghum bicolor]		

Seq. No.	57448	Seq. ID	OJ000310_40.0424.C27
Gene No.	120242	Strand	-
Start	4005	End	4482
Name	OJ000310_40.0424.C27.o1.tc	Method	TBLASTX:Cress
Start	3	End	567
GI	none	Score	153
Exons	3..131, 7..135, 65..172, 65..178, 180..269, 190..300, 276..566, 279..560, 283..567		

Seq. No.	57448	Seq. ID	OJ000310_40.0424.C27
Gene No.	120242	Strand	-
Start	4005	End	4482
Name	OJ000310_40.0424.C27.o1.tm	Method	TBLASTX:Maize
Start	7	End	566
GI	none	Score	148
Exons	7..135, 9..131, 180..269, 190..300, 232..546, 273..566, 288..563		

Seq. No.	57448	Seq. ID	OJ000310_40.0424.C27
Gene No.	120242	Strand	-
Start	4005	End	4482
Name	OJ000310_40.0424.C27.o1.ts	Method	TBLASTX:Soybean
Start	7	End	566
GI	none	Score	182
Exons	7..300, 9..131, 107..178, 180..272, 273..566, 277..555		

Seq. No.	57448	Seq. ID	OJ000310_40.0424.C27
Gene No.	120242	Strand	-
Start	4005	End	4482
Name	OJ000310_40.0424.C27.o1.tw	Method	TBLASTX:Wheat
Start	180	End	429
GI	none	Score	112
Exons	180..428, 190..429		

Seq. No.	57448	Seq. ID	OJ000310_40.0424.C27
Gene No.	120242	Strand	-
Start	4005	End	4482
Name	OJ000310_40.0424.C27.o3.tm	Method	TBLASTX:Maize
Start	568	End	915
GI	none	Score	58
Exons	568..618, 569..625, 661..915, 661..888, 702..908		

Seq. No.	57448	Seq. ID	OJ000310_40.0424.C27
Gene No.	120242	Strand	-
Start	4005	End	4482
Name	OJ000310_40.0424.C27.o1.gp	Method	AAT/GAP
Start	4005	End	4482
GI	none	Score	872
Exons	4005..4482		

Seq. No.	57448	Seq. ID	OJ000310_40.0424.C27
Gene No.	120243	Strand	
Start	4502	End	4679
Name	OJ000310_40.0424.C27.o2.tm	Method	TBLASTX:Maize
Start	4502	End	4679
GI	none	Score	107
Exons	4502..4576, 4522..4575, 4524..4619, 4524..4679, 4525..4677		

Seq. No.	57449	Seq. ID	OJ000310_40.0424.C28
Gene No.	120244	Strand	+
Start	7	End	2364
Name	OJ000310_40.0424.C28.o1.gs	Method	GENSCAN
Start	7	End	2364
GI	none	Score	.52
Exons	7..155, 209..409, 827..965, 2242..2364		

Seq. No.	57450	Seq. ID	OJ000310_40.0424.C29
Gene No.	120245	Strand	+
Start	2453	End	5077
Name	OJ000310_40.0424.C29.o2.np	Method	AAT/NAP
Start	2453	End	5077
GI	5734621	Score	74
Exons	2453..2620, 5048..5077		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to		

a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]

Seq. No.	57450	Seq. ID	OJ000310_40.0424.C29
Gene No.	120246	Strand	-
Start	1	End	2421
Name	OJ000310_40.0424.C29.o1.np	Method	AAT/NAP
Start	1	End	2421
GI	7511785	Score	79
Exons	1..23, 1843..2421		
GI Descrip.	fibroin - Chinese oak silkmoth gi|3450883|gb|AAC32606.1| (AF083334) fibroin [Antheraea pernyi]		

Seq. No.	57451	Seq. ID	OJ000310_40.0424.C30
Gene No.	120247	Strand	+
Start	452	End	568
Name	OJ000310_40.0424.C30.o1.gp	Method	AAT/GAP
Start	452	End	568
GI	LIB3431-045-P1-N1-A10	Score	197
Exons	452..568		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	57451	Seq. ID	OJ000310_40.0424.C30
Gene No.	120248	Strand	-
Start	117	End	2848
Name	OJ000310_40.0424.C30.o1.gs	Method	GENSCAN
Start	117	End	2727
GI	none	Score	.67
Exons	117..239, 1007..1081, 1568..1685, 1690..1737, 1801..1932, 2033..2088, 2246..2428, 2521..2727		

Seq. No.	57451	Seq. ID	OJ000310_40.0424.C30
Gene No.	120248	Strand	-
Start	117	End	2848
Name	OJ000310_40.0424.C30.o1.np	Method	AAT/NAP
Start	1451	End	2848
GI	5441880	Score	1137
Exons	1451..1685, 1801..1932, 2179..2276, 2521..2848		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	57451	Seq. ID	OJ000310_40.0424.C30
Gene No.	120248	Strand	-
Start	117	End	2848
Name	OJ000310_40.0424.C30.o2.gp	Method	AAT/GAP
Start	2529	End	2779
GI	LIB3475-007-P1-K1-G8	Score	458
Exons	2529..2779		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	57452	Seq. ID	OJ000310_40.0424.C31
Gene No.	120249	Strand	+
Start	1082	End	1391

Name	OJ000310_40.0424.C31.o2.gs	Method	GENSCAN
Start	1082	End	1391
GI	none	Score	.54
Exons	1082..1201, 1293..1391		

Seq. No.	57452	Seq. ID	OJ000310_40.0424.C31
Gene No.	120250	Strand	-
Start	274	End	914
Name	OJ000310_40.0424.C31.o1.gp	Method	AAT/GAP
Start	274	End	914
GI	26857_1.R1084	Score	1011
Exons	274..376, 463..914		
GI Descrip.	'6093512/sp|Q39950|NLTP_HELAN 1.0e-16 NONSPECIFIC LIPID-TRANSFER PROTEIN PRECURSOR (LTP) (NSLTP) (SDI-9) >gi_1050918_emb_CAA63340_ (X92648) lipid transfer protein [Helianthus annuus]'		

Seq. No.	57452	Seq. ID	OJ000310_40.0424.C31
Gene No.	120250	Strand	-
Start	274	End	914
Name	OJ000310_40.0424.C31.o1.gs	Method	GENSCAN
Start	447	End	815
GI	none	Score	.97
Exons	447..815		

Seq. No.	57452	Seq. ID	OJ000310_40.0424.C31
Gene No.	120250	Strand	-
Start	274	End	914
Name	OJ000310_40.0424.C31.o1.np	Method	AAT/NAP
Start	456	End	818
GI	6492243	Score	453
Exons	456..818		
GI Descrip.	(AF109195) lipid transfer protein [Hordeum vulgare]		

Seq. No.	57452	Seq. ID	OJ000310_40.0424.C31
Gene No.	120250	Strand	-
Start	274	End	914
Name	OJ000310_40.0424.C31.o1.tw	Method	TBLASTX:Wheat
Start	462	End	732
GI	none	Score	54
Exons	462..500, 462..731, 466..732, 634..732		

Seq. No.	57452	Seq. ID	OJ000310_40.0424.C31
Gene No.	120250	Strand	-
Start	274	End	914
Name	OJ000310_40.0424.C31.o1.tm	Method	TBLASTX:Maize
Start	465	End	813
GI	none	Score	93
Exons	465..551, 466..552, 552..674, 553..675, 642..731, 661..813		

Seq. No.	57452	Seq. ID	OJ000310_40.0424.C31
Gene No.	120250	Strand	-
Start	274	End	914
Name	OJ000310_40.0424.C31.o1.tc	Method	TBLASTX:Cress
Start	466	End	731
GI	none	Score	122
Exons	466..717, 468..731		

Seq. No.	57452	Seq. ID	OJ000310_40.0424.C31
Gene No.	120250	Strand	-
Start	274	End	914
Name	OJ000310_40.0424.C31.o1.ts	Method	TBLASTX:Soybean
Start	468	End	732
GI	none	Score	50
Exons	468..731, 469..534, 565..732		

Seq. No.	57453	Seq. ID	OJ000310_40.0424.C32
Gene No.	120251	Strand	+
Start	744	End	2328
Name	OJ000310_40.0424.C32.o1.gs	Method	GENSCAN
Start	744	End	2328
GI	none	Score	.55
Exons	744..805, 1466..1601, 2004..2065, 2310..2328		

Seq. No.	57453	Seq. ID	OJ000310_40.0424.C32
Gene No.	120252	Strand	-
Start	1	End	516
Name	OJ000310_40.0424.C32.o1.np	Method	AAT/NAP
Start	1	End	516
GI	7523502	Score	182
Exons	1..99, 423..516		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	57454	Seq. ID	OJ000310_40.0424.C33
Gene No.	120253	Strand	+
Start	751	End	5811
Name	OJ000310_40.0424.C33.o1.gs	Method	GENSCAN
Start	751	End	2127
GI	none	Score	.52
Exons	751..910, 1629..1737, 1936..1974, 2015..2127		

Seq. No.	57454	Seq. ID	OJ000310_40.0424.C33
Gene No.	120253	Strand	+
Start	751	End	5811
Name	OJ000310_40.0424.C33.o1.np	Method	AAT/NAP
Start	1778	End	5675
GI	7248403	Score	274
Exons	1778..1852, 3455..3853, 5585..5675		
GI Descrip.	(AP001389) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	57454	Seq. ID	OJ000310_40.0424.C33
Gene No.	120253	Strand	+
Start	751	End	5811
Name	OJ000310_40.0424.C33.o2.gs	Method	GENSCAN
Start	2991	End	3299
GI	none	Score	.75
Exons	2991..3299		

Seq. No.	57454	Seq. ID	OJ000310_40.0424.C33
Gene No.	120253	Strand	+
Start	751	End	5811
Name	OJ000310_40.0424.C33.o4.gs	Method	GENSCAN
Start	3817	End	5811

GI	none	Score	.59
Exons	3817..3940, 4495..4691, 4699..4904, 4975..5183, 5585..5811		
Seq. No.	57455	Seq. ID	OJ000310_40.0424.C34
Gene No.	120254	Strand	+
Start	247	End	1454
Name	OJ000310_40.0424.C34.o1.gs	Method	GENSCAN
Start	247	End	1454
GI	none	Score	.57
Exons	247..337, 428..596, 1248..1454		
Seq. No.	57455	Seq. ID	OJ000310_40.0424.C34
Gene No.	120255	Strand	+
Start	2271	End	3995
Name	OJ000310_40.0424.C34.o1.gp	Method	AAT/GAP
Start	2183	End	3995
GI	993_1.R1084	Score	2646
Exons	2183..2409, 2517..2829, 3191..3995		
GI Descrip.	'1041710 1.0e-121 (U30477) expansin Os-EXP2 [Oryza sativa]'		
Seq. No.	57455	Seq. ID	OJ000310_40.0424.C34
Gene No.	120255	Strand	+
Start	2271	End	3995
Name	OJ000310_40.0424.C34.o1.np	Method	AAT/NAP
Start	2271	End	3491
GI	7489471	Score	1301
Exons	2271..2409, 2517..2829, 3191..3491		
GI Descrip.	expansin 2 - rice gi|1041710|gb|AAB38074.1| (U30477) expansin Os-EXP2 [Oryza sativa]		
Seq. No.	57455	Seq. ID	OJ000310_40.0424.C34
Gene No.	120255	Strand	+
Start	2271	End	3995
Name	OJ000310_40.0424.C34.o2.gs	Method	GENSCAN
Start	2271	End	3494
GI	none	Score	.99
Exons	2271..2409, 2517..2829, 3191..3494		
Seq. No.	57455	Seq. ID	OJ000310_40.0424.C34
Gene No.	120256	Strand	-
Start	4735	End	4815
Name	OJ000310_40.0424.C34.o1.tc	Method	TBLASTX:Cress
Start	2199	End	3296
GI	none	Score	104
Exons	2199..2273, 2348..2410, 2349..2411, 2515..2829, 2516..2830, 3185..3289, 3189..3296		
Seq. No.	57455	Seq. ID	OJ000310_40.0424.C34
Gene No.	120256	Strand	-
Start	4735	End	4815
Name	OJ000310_40.0424.C34.o1.tm	Method	TBLASTX:Maize
Start	2342	End	3376
GI	none	Score	131
Exons	2342..2410, 2343..2411, 2487..2564, 2503..2583, 2515..2862, 2516..2830, 2603..2650, 2617..2829, 2618..2830, 2762..2830, 3188..3376, 3189..3371		

Seq. No.	57455	Seq. ID	OJ000310_40.0424.C34
Gene No.	120256	Strand	-
Start	4735	End	4815
Name	OJ000310_40.0424.C34.o1.ts	Method	TBLASTX:Soybean
Start	2348	End	3490
GI	none	Score	106
Exons	2348..2410, 2349..2411, 2503..2583, 2515..2829, 2516..2830, 3188..3490, 3189..3458		

Seq. No.	57455	Seq. ID	OJ000310_40.0424.C34
Gene No.	120256	Strand	-
Start	4735	End	4815
Name	OJ000310_40.0424.C34.o1.tw	Method	TBLASTX:Wheat
Start	2687	End	3362
GI	none	Score	127
Exons	2687..2830, 3181..3312, 3182..3361, 3189..3362		

Seq. No.	57455	Seq. ID	OJ000310_40.0424.C34
Gene No.	120256	Strand	-
Start	4735	End	4815
Name	OJ000310_40.0424.C34.o2.tc	Method	TBLASTX:Cress
Start	3300	End	3493
GI	none	Score	222
Exons	3300..3458, 3302..3493		

Seq. No.	57455	Seq. ID	OJ000310_40.0424.C34
Gene No.	120256	Strand	-
Start	4735	End	4815
Name	OJ000310_40.0424.C34.o2.tm	Method	TBLASTX:Maize
Start	3377	End	3848
GI	none	Score	121
Exons	3377..3490, 3378..3458, 3460..3492, 3461..3493, 3577..3636, 3578..3643, 3596..3667, 3632..3664, 3637..3684, 3731..3817, 3775..3807, 3828..3848		

Seq. No.	57455	Seq. ID	OJ000310_40.0424.C34
Gene No.	120256	Strand	-
Start	4735	End	4815
Name	OJ000310_40.0424.C34.o3.gs	Method	GENSCAN
Start	4735	End	4815
GI	none	Score	.49
Exons	4735..4815		

Seq. No.	57456	Seq. ID	OJ000310_40.0424.C35
Gene No.	120257	Strand	+
Start	392	End	2199
Name	OJ000310_40.0424.C35.o1.np	Method	AAT/NAP
Start	392	End	2199
GI	1946372	Score	179
Exons	392..512, 2115..2199		
GI Descrip.	(U93215) putative integral membrane protein [Arabidopsis thaliana]		

Seq. No.	57457	Seq. ID	OJ000310_40.0424.C36
Gene No.	120258	Strand	+
Start	92	End	1685
Name	OJ000310_40.0424.C36.o1.np	Method	AAT/NAP

Start	92	End	1685
GI	7523696	Score	709
Exons	92..301, 812..973, 1061..1329, 1568..1685		
GI Descrip.	(AC011001) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	57457	Seq. ID	OJ000310_40.0424.C36
Gene No.	120259	Strand	-
Start	881	End	1934
Name	OJ000310_40.0424.C36.o1.tm	Method	TBLASTX:Maize
Start	163	End	1363
GI	none	Score	112
Exons	163..345, 167..310, 811..981, 812..982, 1029..1238, 1057..1281, 1064..1363, 1064..1312, 1066..1347		

Seq. No.	57457	Seq. ID	OJ000310_40.0424.C36
Gene No.	120259	Strand	-
Start	881	End	1934
Name	OJ000310_40.0424.C36.o1.tw	Method	TBLASTX:Wheat
Start	808	End	1291
GI	none	Score	251
Exons	808..960, 812..982, 1057..1281, 1064..1291, 1064..1231, 1066..1281		

Seq. No.	57457	Seq. ID	OJ000310_40.0424.C36
Gene No.	120259	Strand	-
Start	881	End	1934
Name	OJ000310_40.0424.C36.o1.ts	Method	TBLASTX:Soybean
Start	811	End	1351
GI	none	Score	224
Exons	811..981, 812..982, 1060..1347, 1061..1351		

Seq. No.	57457	Seq. ID	OJ000310_40.0424.C36
Gene No.	120259	Strand	-
Start	881	End	1934
Name	OJ000310_40.0424.C36.o1.gs	Method	GENSCAN
Start	881	End	1869
GI	none	Score	.6
Exons	881..1015, 1565..1699, 1725..1869		

Seq. No.	57457	Seq. ID	OJ000310_40.0424.C36
Gene No.	120259	Strand	-
Start	881	End	1934
Name	OJ000310_40.0424.C36.o1.gp	Method	AAT/GAP
Start	1528	End	1934
GI	none	Score	798
Exons	1528..1934		

Seq. No.	57458	Seq. ID	OJ000310_40.0424.C37
Gene No.	120260	Strand	-
Start	222	End	545
Name	OJ000310_40.0424.C37.o1.gs	Method	GENSCAN
Start	222	End	545
GI	none	Score	.73
Exons	222..352, 521..545		

Seq. No.	57459	Seq. ID	OJ000310_40.0424.C38
Gene No.	120261	Strand	+

Start	924	End	1071
Name	OJ000310_40.0424.C38.o1.gs	Method	GENSCAN
Start	924	End	1071
GI	none	Score	.41
Exons	924..1071		

Seq. No.	57460	Seq. ID	OJ000330_40.0424.C1
Gene No.	120262	Strand	-
Start	1	End	439
Name	OJ000330_40.0424.C1.o1.np	Method	AAT/NAP
Start	1	End	416
GI	6729037	Score	83
Exons	1..35, 167..416		
GI Descrip.	(AC009177) unknown protein [Arabidopsis thaliana]		

Seq. No.	57460	Seq. ID	OJ000330_40.0424.C1
Gene No.	120262	Strand	-
Start	1	End	439
Name	OJ000330_40.0424.C1.o1.gs	Method	GENSCAN
Start	209	End	439
GI	none	Score	.7
Exons	209..439		

Seq. No.	57461	Seq. ID	OJ000330_40.0424.C2
Gene No.	120263	Strand	+
Start	395	End	830
Name	OJ000330_40.0424.C2.o1.gs	Method	GENSCAN
Start	395	End	830
GI	none	Score	.94
Exons	395..830		

Seq. No.	57461	Seq. ID	OJ000330_40.0424.C2
Gene No.	120264	Strand	+
Start	2236	End	3604
Name	OJ000330_40.0424.C2.o1.np	Method	AAT/NAP
Start	2232	End	3550
GI	6997177	Score	903
Exons	2232..2486, 2569..3550		
GI Descrip.	(AC023839) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	57461	Seq. ID	OJ000330_40.0424.C2
Gene No.	120264	Strand	+
Start	2236	End	3604
Name	OJ000330_40.0424.C2.o2.gs	Method	GENSCAN
Start	2236	End	3604
GI	none	Score	.97
Exons	2236..2486, 2569..3604		

Seq. No.	57461	Seq. ID	OJ000330_40.0424.C2
Gene No.	120264	Strand	+
Start	2236	End	3604
Name	OJ000330_40.0424.C2.o2.tm	Method	TBLASTX:Maize
Start	2362	End	2911
GI	none	Score	112
Exons	2362..2490, 2367..2489, 2554..2757, 2567..2911, 2836..2904		

Seq. No.	57461	Seq. ID	OJ000330_40.0424.C2

Gene No.	120264	Strand	+
Start	2236	End	3604
Name	OJ000330_40.0424.C2.o2.tw	Method	TBLASTX:Wheat
Start	2395	End	2853
GI	none	Score	80
Exons	2395..2490, 2567..2851, 2590..2853		

Seq. No.	57461	Seq. ID	OJ000330_40.0424.C2
Gene No.	120264	Strand	+
Start	2236	End	3604
Name	OJ000330_40.0424.C2.o3.tw	Method	TBLASTX:Wheat
Start	2854	End	2978
GI	none	Score	176
Exons	2854..2973, 2855..2977, 2898..2978		

Seq. No.	57461	Seq. ID	OJ000330_40.0424.C2
Gene No.	120264	Strand	+
Start	2236	End	3604
Name	OJ000330_40.0424.C2.o1.tm	Method	TBLASTX:Maize
Start	2926	End	3406
GI	none	Score	103
Exons	2926..3102, 2929..3300, 2930..3301, 2954..3322, 3163..3318, 3290..3337, 3341..3406, 3368..3406		

Seq. No.	57461	Seq. ID	OJ000330_40.0424.C2
Gene No.	120264	Strand	+
Start	2236	End	3604
Name	OJ000330_40.0424.C2.o1.tw	Method	TBLASTX:Wheat
Start	2980	End	3394
GI	none	Score	252
Exons	2980..3147, 2981..3157, 2993..3157, 3160..3390, 3160..3390, 3167..3394, 3167..3391		

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120265	Strand	+
Start	1429	End	11184
Name	OJ000330_40.0424.C5.o1.gp	Method	AAT/GAP
Start	1429	End	2806
GI	none	Score	995
Exons	1429..1575, 1705..1813, 2141..2201, 2323..2513, 2751..2806		

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120265	Strand	+
Start	1429	End	11184
Name	OJ000330_40.0424.C5.o1.gs	Method	GENSCAN
Start	1491	End	10879
GI	none	Score	.8
Exons	1491..1654, 1705..1813, 2141..2201, 2323..2498, 2751..2880, 3864..3941, 4614..4779, 4876..5023, 5562..5633, 5723..5803, 5959..6062, 6150..6242, 6360..6428, 6678..6742, 8571..8799, 8873..9223, 10747..10879		

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120265	Strand	+
Start	1429	End	11184
Name	OJ000330_40.0424.C5.o2.gp	Method	AAT/GAP
Start	6980	End	7526

GI	none	Score	774
Exons	6980..7083, 7207..7526		

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120265	Strand	+
Start	1429	End	11184
Name	OJ000330_40.0424.C5.o1.np	Method	AAT/NAP
Start	8723	End	10876
GI	2493147	Score	714
Exons	8723..8799, 8938..9223, 10747..10876		
GI Descrip.	VACUOLAR ATP SYNTHASE 16 KD PROTEOLIPID SUBUNIT gi|857574 (U27098) H+-ATPase [Oryza sativa]		

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120265	Strand	+
Start	1429	End	11184
Name	OJ000330_40.0424.C5.o3.gp	Method	AAT/GAP
Start	9084	End	11184
GI	15034_1.R1084	Score	1075
Exons	9084..9223, 10747..11184		
GI Descrip.	'3915254/sp|Q41773|VATL_MAIZE 4.0e-17 VACUOLAR ATP SYNTHASE 16 KD PROTEOLIPID SUBUNIT (V-ATPASE 16 KD PROTEOLIPID SUBUNIT)'		

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120266	Strand	-
Start	13200	End	13702
Name	OJ000330_40.0424.C5.o4.tm	Method	TBLASTX:Maize
Start	2762	End	4726
GI	none	Score	155
Exons	2762..2881, 2763..2882, 2764..2889, 3832..3942, 3858..3938, 3863..3943, 4515..4700, 4592..4726		

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120266	Strand	-
Start	13200	End	13702
Name	OJ000330_40.0424.C5.o2.ts	Method	TBLASTX:Soybean
Start	3844	End	5021
GI	none	Score	111
Exons	3844..3942, 3869..3943, 4592..4807, 4593..4793, 4874..5014, 4875..5021		

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120266	Strand	-
Start	13200	End	13702
Name	OJ000330_40.0424.C5.o3.tc	Method	TBLASTX:Cress
Start	3905	End	4916
GI	none	Score	63
Exons	3905..3943, 4592..4780, 4593..4781, 4875..4916		

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120266	Strand	-
Start	13200	End	13702
Name	OJ000330_40.0424.C5.o2.tm	Method	TBLASTX:Maize
Start	4736	End	6901
GI	none	Score	81
Exons	4736..4780, 4737..4781, 4874..5029, 4875..5030, 4875..5030, 5111..5167, 5430..5486, 5558..5632, 5598..5633, 5705..5821,		

5720..5803, 5927..6034, 5950..6033, 5952..6044, 5956..6045, 6153..6245, 6154..6243, 6358..6429, 6363..6428, 6679..6741, 6839..6901

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120266	Strand	-
Start	13200	End	13702
Name	OJ000330_40.0424.C5.o3.ts	Method	TBLASTX:Soybean
Start	6358	End	7242
GI	none	Score	93
Exons	6358..6429, 6679..6741, 6835..6900, 6836..6901, 6961..7083, 6987..7088, 6988..7086, 7201..7242		

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120266	Strand	-
Start	13200	End	13702
Name	OJ000330_40.0424.C5.o1.tm	Method	TBLASTX:Maize
Start	8714	End	10902
GI	none	Score	76
Exons	8714..8767, 8722..8769, 8924..9232, 8925..9233, 10742..10885, 10744..10902, 10744..10890		

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120266	Strand	-
Start	13200	End	13702
Name	OJ000330_40.0424.C5.o1.tw	Method	TBLASTX:Wheat
Start	8714	End	9203
GI	none	Score	89
Exons	8714..8767, 8722..8769, 8925..9203, 8927..9151		

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120266	Strand	-
Start	13200	End	13702
Name	OJ000330_40.0424.C5.o1.tc	Method	TBLASTX:Cress
Start	8728	End	10879
GI	none	Score	65
Exons	8728..8769, 8729..8767, 8924..9151, 8925..9233, 9189..9230, 10742..10870, 10744..10866, 10744..10875, 10745..10879		

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120266	Strand	-
Start	13200	End	13702
Name	OJ000330_40.0424.C5.o1.ts	Method	TBLASTX:Soybean
Start	8925	End	10879
GI	none	Score	393
Exons	8925..9233, 8927..9151, 9189..9224, 10744..10878, 10745..10879		

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120266	Strand	-
Start	13200	End	13702
Name	OJ000330_40.0424.C5.o2.tw	Method	TBLASTX:Wheat
Start	10727	End	10893
GI	none	Score	159
Exons	10727..10879, 10737..10880, 10744..10881, 10744..10893		

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120266	Strand	-

Start	13200	End	13702
Name	OJ000330_40.0424.C5.o4.gp	Method	AAT/GAP
Start	13200	End	13581
GI	1632685	Score	684
Exons	13200..13581		

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120266	Strand	-
Start	13200	End	13702
Name	OJ000330_40.0424.C5.o3.gs	Method	GENSCAN
Start	13243	End	13561
GI	none	Score	.76
Exons	13243..13561		

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120266	Strand	-
Start	13200	End	13702
Name	OJ000330_40.0424.C5.o2.np	Method	AAT/NAP
Start	13390	End	13702
GI	6911855	Score	248
Exons	13390..13702		
GI Descrip.	(AL138649) putative protein [Arabidopsis thaliana]		

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120266	Strand	-
Start	13200	End	13702
Name	OJ000330_40.0424.C5.o2.tc	Method	TBLASTX:Cress
Start	13486	End	13653
GI	none	Score	157
Exons	13486..13653, 13508..13648		

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120266	Strand	-
Start	13200	End	13702
Name	OJ000330_40.0424.C5.o3.tm	Method	TBLASTX:Maize
Start	13486	End	13653
GI	none	Score	149
Exons	13486..13653, 13499..13645		

Seq. No.	57462	Seq. ID	OJ000330_40.0424.C5
Gene No.	120266	Strand	-
Start	13200	End	13702
Name	OJ000330_40.0424.C5.o4.ts	Method	TBLASTX:Soybean
Start	13486	End	13653
GI	none	Score	175
Exons	13486..13653, 13499..13648		

Seq. No.	57463	Seq. ID	OJ000330_40.0424.C6
Gene No.	120267	Strand	-
Start	2576	End	3322
Name	OJ000330_40.0424.C6.o2.gs	Method	GENSCAN
Start	2576	End	3322
GI	none	Score	.73
Exons	2576..2704, 3266..3322		

Seq. No.	57464	Seq. ID	OJ000330_40.0424.C7
Gene No.	120268	Strand	-

Start	1968	End	4962
Name	OJ000330_40.0424.C7.o1.gp	Method	AAT/GAP
Start	1713	End	2697
GI	2742_1.R1084	Score	1417
Exons	1713..2132, 2305..2511, 2581..2697		
GI Descrip.	'4587615/gb|AAD25843.1|AC006951_22 2.0e-62 (AC006951) putative acyl-CoA synthetase [Arabidopsis thaliana] >gi_4689469_gb_AAD27905.1_AC007213_3 (AC007213) putative acyl-CoA synthetase [Arabidopsis thaliana]'		

Seq. No.	57464	Seq. ID	OJ000330_40.0424.C7
Gene No.	120268	Strand	-
Start	1968	End	4962
Name	OJ000330_40.0424.C7.o1.tm	Method	TBLASTX:Maize
Start	1963	End	3729
GI	none	Score	229
Exons	1963..2133, 1963..2133, 1968..2141, 2285..2512, 2301..2513, 2302..2514, 2305..2514, 2578..2718, 2579..2725, 2582..2716, 2823..2963, 2825..2962, 3220..3339, 3222..3338, 3225..3347, 3226..3342, 3272..3343, 3510..3728, 3510..3728, 3511..3729		

Seq. No.	57464	Seq. ID	OJ000330_40.0424.C7
Gene No.	120268	Strand	-
Start	1968	End	4962
Name	OJ000330_40.0424.C7.o1.gs	Method	GENSCAN
Start	1968	End	4662
GI	none	Score	.98
Exons	1968..2132, 2305..2511, 2581..2715, 2825..2956, 3225..3342, 3511..3740, 3828..4001, 4078..4209, 4390..4662		

Seq. No.	57464	Seq. ID	OJ000330_40.0424.C7
Gene No.	120268	Strand	-
Start	1968	End	4962
Name	OJ000330_40.0424.C7.o2.tc	Method	TBLASTX:Cress
Start	1968	End	2921
GI	none	Score	145
Exons	1968..2141, 1972..2133, 2305..2520, 2312..2521, 2578..2718, 2582..2716, 2799..2921, 2822..2920		

Seq. No.	57464	Seq. ID	OJ000330_40.0424.C7
Gene No.	120268	Strand	-
Start	1968	End	4962
Name	OJ000330_40.0424.C7.o1.ts	Method	TBLASTX:Soybean
Start	1968	End	4827
GI	none	Score	123
Exons	1968..2135, 1972..2130, 2302..2526, 2303..2512, 2578..2718, 2579..2725, 2582..2716, 2822..2962, 2823..2957, 2834..2962, 3187..3339, 3222..3338, 3510..3740, 3511..3741, 3820..3999, 3825..4004, 4073..4213, 4075..4209, 4390..4560, 4400..4516, 4558..4665, 4753..4827, 4754..4825		

Seq. No.	57464	Seq. ID	OJ000330_40.0424.C7
Gene No.	120268	Strand	-
Start	1968	End	4962
Name	OJ000330_40.0424.C7.o1.np	Method	AAT/NAP
Start	1971	End	4962
GI	6382514	Score	1965

Exons	1971..2132, 2305..2511, 2581..2715, 2825..2956, 3225..3342, 3511..3740, 3828..4001, 4078..4209, 4390..4662, 4753..4962		
GI Descrip.	(AC010704) putative acyl-CoA synthetase [Arabidopsis thaliana]		

Seq. No.	57464	Seq. ID	OJ000330_40.0424.C7
Gene No.	120268	Strand	-
Start	1968	End	4962
Name	OJ000330_40.0424.C7.o1.tc	Method	TBLASTX:Cress
Start	3546	End	4210
GI	none	Score	209
Exons	3546..3740, 3547..3741, 3548..3742, 3552..3743, 3823..3999, 3825..4004, 3828..4004, 4078..4209, 4079..4210		

Seq. No.	57464	Seq. ID	OJ000330_40.0424.C7
Gene No.	120268	Strand	-
Start	1968	End	4962
Name	OJ000330_40.0424.C7.o2.tm	Method	TBLASTX:Maize
Start	3829	End	4827
GI	none	Score	47
Exons	3829..3867, 3831..3860, 3861..3941, 3862..4002, 3864..4004, 4069..4209, 4077..4211, 4078..4212, 4390..4683, 4397..4663, 4753..4827, 4754..4825		

Seq. No.	57465	Seq. ID	OJ000330_40.0424.C8
Gene No.	120269	Strand	-
Start	592	End	750
Name	OJ000330_40.0424.C8.o1.tm	Method	TBLASTX:Maize
Start	247	End	750
GI	none	Score	83
Exons	247..375, 314..376, 314..376, 316..378, 574..630, 580..657, 585..659, 591..644, 657..743, 667..741, 667..750		

Seq. No.	57465	Seq. ID	OJ000330_40.0424.C8
Gene No.	120269	Strand	-
Start	592	End	750
Name	OJ000330_40.0424.C8.o1.gs	Method	GENSCAN
Start	592	End	737
GI	none	Score	.94
Exons	592..737		

Seq. No.	57466	Seq. ID	OJ000330_40.0424.C10
Gene No.	120270	Strand	-
Start	1	End	7730
Name	OJ000330_40.0424.C10.o1.np	Method	AAT/NAP
Start	1	End	1795
GI	5091541	Score	908
Exons	1..502, 701..874, 1040..1162, 1273..1444, 1599..1795		
GI Descrip.	(AC007067) T10O24.10 [Arabidopsis thaliana]		

Seq. No.	57466	Seq. ID	OJ000330_40.0424.C10
Gene No.	120270	Strand	-
Start	1	End	7730
Name	OJ000330_40.0424.C10.o1.gp	Method	AAT/GAP
Start	392	End	871
GI	2310205	Score	521
Exons	392..502, 701..871		
GI Descrip.	5091541/gb|AAD39570.1|AC007067_10 2.0e-53 (AC007067) T10O24.10		

[Arabidopsis thaliana]

Seq. No.	57466	Seq. ID	OJ000330_40.0424.C10
Gene No.	120270	Strand	-
Start	1	End	7730
Name	OJ000330_40.0424.C10.o1.gs	Method	GENSCAN
Start	392	End	7729
GI	none	Score	.41
Exons	392..502, 701..874, 1040..1162, 1273..1444, 1599..1899, 3251..3413, 4180..4353, 5881..6484, 7329..7729		

Seq. No.	57466	Seq. ID	OJ000330_40.0424.C10
Gene No.	120270	Strand	-
Start	1	End	7730
Name	OJ000330_40.0424.C10.o1.tm	Method	TBLASTX:Maize
Start	3059	End	3269
GI	none	Score	210
Exons	3059..3265, 3063..3269, 3064..3264		

Seq. No.	57466	Seq. ID	OJ000330_40.0424.C10
Gene No.	120270	Strand	-
Start	1	End	7730
Name	OJ000330_40.0424.C10.o2.np	Method	AAT/NAP
Start	3069	End	6384
GI	6978923	Score	1162
Exons	3069..3632, 4180..4353, 5881..6105, 6154..6384		
GI Descrip.	(AC021665) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	57466	Seq. ID	OJ000330_40.0424.C10
Gene No.	120270	Strand	-
Start	1	End	7730
Name	OJ000330_40.0424.C10.o1.ts	Method	TBLASTX:Soybean
Start	3075	End	3635
GI	none	Score	482
Exons	3075..3635, 3076..3633		

Seq. No.	57466	Seq. ID	OJ000330_40.0424.C10
Gene No.	120270	Strand	-
Start	1	End	7730
Name	OJ000330_40.0424.C10.o3.ts	Method	TBLASTX:Soybean
Start	5894	End	6060
GI	none	Score	121
Exons	5894..6055, 5896..6060		

Seq. No.	57466	Seq. ID	OJ000330_40.0424.C10
Gene No.	120270	Strand	-
Start	1	End	7730
Name	OJ000330_40.0424.C10.o3.tm	Method	TBLASTX:Maize
Start	6148	End	6481
GI	none	Score	125
Exons	6148..6255, 6149..6256, 6311..6409, 6319..6420, 6319..6408, 6368..6409, 6392..6475, 6443..6481		

Seq. No.	57466	Seq. ID	OJ000330_40.0424.C10
Gene No.	120270	Strand	-
Start	1	End	7730
Name	OJ000330_40.0424.C10.o2.gp	Method	AAT/GAP

Start	7076	End	7375
GI	LIB3433-036-P1-K1-H8	Score	529
Exons	7076..7375		
GI Descrip.	'4581150/gb|AAD24634.1|AC006919_12 4.0e-49 (AC006919) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	57466	Seq. ID	OJ000330_40.0424.C10
Gene No.	120270	Strand	-
Start	1	End	7730
Name	OJ000330_40.0424.C10.o2.tm	Method	TBLASTX:Maize
Start	7598	End	7730
GI	none	Score	149
Exons	7598..7729, 7602..7730		

Seq. No.	57466	Seq. ID	OJ000330_40.0424.C10
Gene No.	120270	Strand	-
Start	1	End	7730
Name	OJ000330_40.0424.C10.o2.ts	Method	TBLASTX:Soybean
Start	7598	End	7730
GI	none	Score	143
Exons	7598..7729, 7602..7730		

Seq. No.	57466	Seq. ID	OJ000330_40.0424.C10
Gene No.	120270	Strand	-
Start	1	End	7730
Name	OJ000330_40.0424.C10.o1.tc	Method	TBLASTX:Cress
Start	7610	End	7730
GI	none	Score	125
Exons	7610..7729, 7614..7730		

Seq. No.	57467	Seq. ID	OJ000330_40.0424.C11
Gene No.	120271	Strand	-
Start	8	End	830
Name	OJ000330_40.0424.C11.o1.tc	Method	TBLASTX:Cress
Start	1	End	486
GI	none	Score	125
Exons	1..102, 2..103, 421..486		

Seq. No.	57467	Seq. ID	OJ000330_40.0424.C11
Gene No.	120271	Strand	-
Start	8	End	830
Name	OJ000330_40.0424.C11.o2.tm	Method	TBLASTX:Maize
Start	1	End	103
GI	none	Score	171
Exons	1..102, 2..103		

Seq. No.	57467	Seq. ID	OJ000330_40.0424.C11
Gene No.	120271	Strand	-
Start	8	End	830
Name	OJ000330_40.0424.C11.o1.ts	Method	TBLASTX:Soybean
Start	1	End	103
GI	none	Score	131
Exons	1..102, 2..103		

Seq. No.	57467	Seq. ID	OJ000330_40.0424.C11
Gene No.	120271	Strand	-
Start	8	End	830

Name	OJ000330_40.0424.C11.o1.gs	Method	GENSCAN
Start	8	End	768
GI	none	Score	.7
Exons	8..768		

Seq. No.	57467	Seq. ID	OJ000330_40.0424.C11
Gene No.	120271	Strand	-
Start	8	End	830
Name	OJ000330_40.0424.C11.o1.tm	Method	TBLASTX:Maize
Start	398	End	634
GI	none	Score	106
Exons	398..478, 398..472, 400..480,	524..622,	533..634, 535..630

Seq. No.	57467	Seq. ID	OJ000330_40.0424.C11
Gene No.	120271	Strand	-
Start	8	End	830
Name	OJ000330_40.0424.C11.o1.gp	Method	AAT/GAP
Start	629	End	830
GI	3061005	Score	282
Exons	629..830		

Seq. No.	57468	Seq. ID	OJ000330_40.0424.C12
Gene No.	120272	Strand	-
Start	208	End	336
Name	OJ000330_40.0424.C12.o1.gs	Method	GENSCAN
Start	208	End	336
GI	none	Score	.87
Exons	208..336		

Seq. No.	57469	Seq. ID	OJ000330_40.0424.C13
Gene No.	120273	Strand	+
Start	170	End	1956
Name	OJ000330_40.0424.C13.o1.gs	Method	GENSCAN
Start	170	End	877
GI	none	Score	.86
Exons	170..571, 737..877		

Seq. No.	57469	Seq. ID	OJ000330_40.0424.C13
Gene No.	120273	Strand	+
Start	170	End	1956
Name	OJ000330_40.0424.C13.o1.np	Method	AAT/NAP
Start	350	End	1956
GI	7451767	Score	113
Exons	350..559, 728..886, 1794..1956		
GI Descrip.	sodium-dependent transporter homolog yocS - Bacillus subtilis gi|2619019|gb|AAB84443.1| (AF027868) putative transporter [Bacillus subtilis] gi|2634328|emb|CAB13827.1| (Z99114) similar to sodium-dependent transporter [Bacillus subtilis]		

Seq. No.	57470	Seq. ID	OJ000330_40.0424.C14
Gene No.	120274	Strand	+
Start	1	End	2180
Name	OJ000330_40.0424.C14.o1.np	Method	AAT/NAP
Start	1	End	1858
GI	7363274	Score	110
Exons	1..71, 1693..1858		
GI Descrip.	(AP001552) Similar to Arabidopsis thaliana DNA chromosome 4, BAC		

clone F17A8; putative protein. (AL049482) [Oryza sativa]

Seq. No.	57470	Seq. ID	OJ000330_40.0424.C14
Gene No.	120274	Strand	+
Start	1	End	2180
Name	OJ000330_40.0424.C14.o1.gp	Method	AAT/GAP
Start	1383	End	2180
GI	none	Score	457
Exons	1383..1534, 2068..2180		

Seq. No.	57470	Seq. ID	OJ000330_40.0424.C14
Gene No.	120274	Strand	+
Start	1	End	2180
Name	OJ000330_40.0424.C14.o1.gs	Method	GENSCAN
Start	1417	End	1637
GI	none	Score	1
Exons	1417..1534, 1567..1637		

Seq. No.	57471	Seq. ID	OJ000330_40.0424.C15
Gene No.	120275	Strand	+
Start	1	End	9309
Name	OJ000330_40.0424.C15.o1.np	Method	AAT/NAP
Start	1	End	2414
GI	6498438	Score	2028
Exons	1..44, 1162..2414		
GI Descrip.	(AP000815) EST C93513(C53164) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC F5H14 genomic sequence,hypothetical protein. (AC006234) [Oryza sativa]		

Seq. No.	57471	Seq. ID	OJ000330_40.0424.C15
Gene No.	120275	Strand	+
Start	1	End	9309
Name	OJ000330_40.0424.C15.o1.gs	Method	GENSCAN
Start	1167	End	2417
GI	none	Score	.59
Exons	1167..2417		

Seq. No.	57471	Seq. ID	OJ000330_40.0424.C15
Gene No.	120275	Strand	+
Start	1	End	9309
Name	OJ000330_40.0424.C15.o1.gp	Method	AAT/GAP
Start	1224	End	1642
GI	LIB3434-059-P1-K1-C10	Score	787
Exons	1224..1642		
GI Descrip.	'5103846/gb|AAD39676.1|AC007591_41 1.0e-42 (AC007591) F9L1.43 [Arabidopsis thaliana]'		

Seq. No.	57471	Seq. ID	OJ000330_40.0424.C15
Gene No.	120275	Strand	+
Start	1	End	9309
Name	OJ000330_40.0424.C15.o3.np	Method	AAT/NAP
Start	1873	End	7034
GI	7106512	Score	84
Exons	1873..1906, 4411..4594, 7005..7034		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57471	Seq. ID	OJ000330_40.0424.C15
Gene No.	120275	Strand	+
Start	1	End	9309
Name	OJ000330_40.0424.C15.o3.gp	Method	AAT/GAP
Start	5056	End	9106
GI	LIB3477-003-P1-K1-E9	Score	137
Exons	5056..5111, 9054..9106		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	57471	Seq. ID	OJ000330_40.0424.C15
Gene No.	120275	Strand	+
Start	1	End	9309
Name	OJ000330_40.0424.C15.o4.gs	Method	GENSCAN
Start	5800	End	6552
GI	none	Score	.76
Exons	5800..5850, 6268..6552		

Seq. No.	57471	Seq. ID	OJ000330_40.0424.C15
Gene No.	120275	Strand	+
Start	1	End	9309
Name	OJ000330_40.0424.C15.o4.np	Method	AAT/NAP
Start	7637	End	9309
GI	5042463	Score	143
Exons	7637..7845, 9286..9309		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	57471	Seq. ID	OJ000330_40.0424.C15
Gene No.	120276	Strand	-
Start	1971	End	2732
Name	OJ000330_40.0424.C15.o2.gp	Method	AAT/GAP
Start	1971	End	2732
GI	41960_1.R1084	Score	1479
Exons	1971..2732		
GI Descrip.	'5103846/gb|AAD39676.1|AC007591_41 2.0e-37 (AC007591) F9L1.43 [Arabidopsis thaliana]'		

Seq. No.	57471	Seq. ID	OJ000330_40.0424.C15
Gene No.	120277	Strand	-
Start	3165	End	3723
Name	OJ000330_40.0424.C15.o2.gs	Method	GENSCAN
Start	3165	End	3723
GI	none	Score	.71
Exons	3165..3330, 3512..3723		

Seq. No.	57471	Seq. ID	OJ000330_40.0424.C15
Gene No.	120277	Strand	-
Start	3165	End	3723
Name	OJ000330_40.0424.C15.o2.np	Method	AAT/NAP
Start	3168	End	3597
GI	6498439	Score	225
Exons	3168..3349, 3432..3597		
GI Descrip.	(AP000815) ESTs C98259(C1345),D15820(C1345) correspond to a region of the predicted gene.; Similar to translation initiation factor 6. (AF022229) [Oryza sativa]		

Seq. No.	57471	Seq. ID	OJ000330_40.0424.C15
Gene No.	120278	Strand	-
Start	5326	End	5592
Name	OJ000330_40.0424.C15.o3.gs	Method	GENSCAN
Start	5326	End	5592
GI	none	Score	1
Exons	5326..5592		

Seq. No.	57471	Seq. ID	OJ000330_40.0424.C15
Gene No.	120279	Strand	-
Start	6987	End	7880
Name	OJ000330_40.0424.C15.o1.tm	Method	TBLASTX:Maize
Start	1161	End	2461
GI	none	Score	264
Exons	1161..1964, 1165..1503, 1165..2010, 1185..2051, 1484..2050, 2051..2419, 2052..2423, 2074..2424, 2118..2225, 2316..2381, 2411..2461		

Seq. No.	57471	Seq. ID	OJ000330_40.0424.C15
Gene No.	120279	Strand	-
Start	6987	End	7880
Name	OJ000330_40.0424.C15.o2.ts	Method	TBLASTX:Soybean
Start	1329	End	1492
GI	none	Score	203
Exons	1329..1490, 1329..1490, 1330..1491, 1331..1492		

Seq. No.	57471	Seq. ID	OJ000330_40.0424.C15
Gene No.	120279	Strand	-
Start	6987	End	7880
Name	OJ000330_40.0424.C15.o1.tw	Method	TBLASTX:Wheat
Start	1485	End	2294
GI	none	Score	58
Exons	1485..1607, 1842..1970, 1877..2293, 1899..2294		

Seq. No.	57471	Seq. ID	OJ000330_40.0424.C15
Gene No.	120279	Strand	-
Start	6987	End	7880
Name	OJ000330_40.0424.C15.o1.ts	Method	TBLASTX:Soybean
Start	1493	End	2417
GI	none	Score	431
Exons	1493..1924, 1494..1934, 1833..1973, 1919..2389, 1920..2387, 2385..2417		

Seq. No.	57471	Seq. ID	OJ000330_40.0424.C15
Gene No.	120279	Strand	-
Start	6987	End	7880
Name	OJ000330_40.0424.C15.o1.tc	Method	TBLASTX:Cress
Start	1526	End	2021
GI	none	Score	414
Exons	1526..1930, 1527..2021, 1572..1964		

Seq. No.	57471	Seq. ID	OJ000330_40.0424.C15
Gene No.	120279	Strand	-
Start	6987	End	7880
Name	OJ000330_40.0424.C15.o2.tc	Method	TBLASTX:Cress
Start	2174	End	2440

GI	none	Score	246
Exons	2174..2440, 2175..2387		
Seq. No.	57471	Seq. ID	OJ000330_40.0424.C15
Gene No.	120279	Strand	-
Start	6987	End	7880
Name	OJ000330_40.0424.C15.o5.gs	Method	GENSCAN
Start	6987	End	7880
GI	none	Score	.57
Exons	6987..7121, 7387..7493, 7734..7880		
Seq. No.	57472	Seq. ID	OJ000330_40.0424.C16
Gene No.	120280	Strand	+
Start	1609	End	4876
Name	OJ000330_40.0424.C16.o1.tm	Method	TBLASTX:Maize
Start	1602	End	4374
GI	none	Score	587
Exons	1602..1682, 1717..2223, 1731..2222, 3748..3906, 3762..3905, 3778..3906, 3990..4148, 3991..4149, 4258..4374, 4258..4371, 4260..4373		
Seq. No.	57472	Seq. ID	OJ000330_40.0424.C16
Gene No.	120280	Strand	+
Start	1609	End	4876
Name	OJ000330_40.0424.C16.o1.gs	Method	GENSCAN
Start	1609	End	4371
GI	none	Score	.91
Exons	1609..2455, 3764..3907, 3998..4150, 4256..4371		
Seq. No.	57472	Seq. ID	OJ000330_40.0424.C16
Gene No.	120280	Strand	+
Start	1609	End	4876
Name	OJ000330_40.0424.C16.o1.np	Method	AAT/NAP
Start	1681	End	4876
GI	1084335	Score	1189
Exons	1681..2227, 3773..3907, 3998..4150, 4256..4374, 4856..4876		
GI Descrip.	calcium-dependent protein kinase (EC 2.7.1.-) 2 - Arabidopsis thaliana gi|604881|dbj|BAA04830.1| (D21806) calcium-dependent protein kinase [Arabidopsis thaliana]		
Seq. No.	57472	Seq. ID	OJ000330_40.0424.C16
Gene No.	120280	Strand	+
Start	1609	End	4876
Name	OJ000330_40.0424.C16.o1.ts	Method	TBLASTX:Soybean
Start	1705	End	4374
GI	none	Score	708
Exons	1705..2223, 1710..2222, 3743..3904, 3748..3906, 3762..3905, 3990..4145, 3991..4149, 3997..4155, 4258..4374, 4258..4368, 4260..4373		
Seq. No.	57472	Seq. ID	OJ000330_40.0424.C16
Gene No.	120280	Strand	+
Start	1609	End	4876
Name	OJ000330_40.0424.C16.o1.tc	Method	TBLASTX:Cress
Start	1714	End	4374
GI	none	Score	737
Exons	1714..2226, 1716..2219, 3748..3906, 3762..3905, 3785..3907,		

3786..3908, 3990..4148, 3991..4152, 3994..4155, 4255..4305, 4257..4373, 4258..4374

Seq. No.	57472	Seq. ID	OJ000330_40.0424.C16
Gene No.	120280	Strand	+
Start	1609	End	4876
Name	OJ000330_40.0424.C16.o1.tw	Method	TBLASTX:Wheat
Start	1881	End	2169
GI	none	Score	117
Exons	1881..1973, 1882..2169, 1888..2118, 1899..2147		

Seq. No.	57472	Seq. ID	OJ000330_40.0424.C16
Gene No.	120280	Strand	+
Start	1609	End	4876
Name	OJ000330_40.0424.C16.o2.tw	Method	TBLASTX:Wheat
Start	2170	End	4149
GI	none	Score	81
Exons	2170..2223, 2173..2283, 3748..3906, 3762..3905, 3990..4148, 3991..4149		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120281	Strand	+
Start	3235	End	3798
Name	OJ000330_40.0424.C18.o2.gs	Method	GENSCAN
Start	3235	End	3798
GI	none	Score	.59
Exons	3235..3798		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120282	Strand	+
Start	9936	End	11810
Name	OJ000330_40.0424.C18.o3.np	Method	AAT/NAP
Start	9936	End	11810
GI	3913018	Score	1304
Exons	9936..10099, 10328..10783, 11294..11810		
GI Descrip.	FRUCTOSE-BISPHOSPHATE ALDOLASE, CHLOROPLAST PRECURSOR (ALDP) gi|218155|dbj|BAA02730| (D13513) chloroplastic aldolase [Oryza sativa]		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120283	Strand	+
Start	16689	End	19536
Name	OJ000330_40.0424.C18.o5.gp	Method	AAT/GAP
Start	16471	End	18041
GI	34813_1.R1084	Score	887
Exons	16471..16803, 17582..17726, 18021..18041		
GI Descrip.	'5668814/gb|AAD46040.1|AC007519_25 1.0e-12 (AC007519) ESTs gb_H36253 and gb_AA04251 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120283	Strand	+
Start	16689	End	19536
Name	OJ000330_40.0424.C18.o6.gs	Method	GENSCAN
Start	16689	End	18919
GI	none	Score	.65
Exons	16689..16803, 17098..17328, 17582..17725, 18387..18512,		

18768..18919

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120283	Strand	+
Start	16689	End	19536
Name	OJ000330_40.0424.C18.o4.np	Method	AAT/NAP
Start	17590	End	19534
GI	7447193	Score	320
Exons	17590..17725, 18387..18512, 18768..18919, 19418..19534		
GI Descrip.	conserved hypothetical protein aq_1660 - Aquifex aeolicus gi|2983997|gb|AAC07543.1| (AE000749) hypothetical protein [Aquifex aeolicus]		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120283	Strand	+
Start	16689	End	19536
Name	OJ000330_40.0424.C18.o6.gp	Method	AAT/GAP
Start	18468	End	19536
GI	52267_1.R1084	Score	580
Exons	18468..18512, 18768..18919, 19418..19536		
GI Descrip.	'2983997 9.0e-24 (AE000749) hypothetical protein [Aquifex aeolicus]'		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120284	Strand	-
Start	1	End	3775
Name	OJ000330_40.0424.C18.o1.np	Method	AAT/NAP
Start	1	End	3708
GI	7529719	Score	1035
Exons	1..188, 284..342, 441..546, 648..714, 797..910, 1008..1087, 1345..1513, 2523..2655, 3222..3381, 3532..3708		
GI Descrip.	(AL132969) putative protein [Arabidopsis thaliana]		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120284	Strand	-
Start	1	End	3775
Name	OJ000330_40.0424.C18.o1.gs	Method	GENSCAN
Start	83	End	2742
GI	none	Score	.69
Exons	83..188, 281..342, 441..546, 648..714, 797..910, 1375..1513, 2523..2742		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120284	Strand	-
Start	1	End	3775
Name	OJ000330_40.0424.C18.o1.gp	Method	AAT/GAP
Start	319	End	1395
GI	699639	Score	702
Exons	319..342, 441..546, 648..714, 797..910, 1008..1086, 1345..1395		
GI Descrip.	4581150/gb|AAD24634.1|AC006919_12 4.0e-49 (AC006919) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120284	Strand	-
Start	1	End	3775
Name	OJ000330_40.0424.C18.o2.gp	Method	AAT/GAP
Start	3544	End	3775

GI	LIB3474-003-P1-K1-C3	Score	440
Exons	3544..3775		
GI Descrip.	'5123910/emb|CAA67191.1| 8.0e-15 (X98582) HSP80-2 [Triticum aestivum]'		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120285	Strand	-
Start	4558	End	4995
Name	OJ000330_40.0424.C18.o3.gs	Method	GENSCAN
Start	4558	End	4995
GI	none	Score	.46
Exons	4558..4719, 4903..4995		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120286	Strand	-
Start	5912	End	6929
Name	OJ000330_40.0424.C18.o2.np	Method	AAT/NAP
Start	5912	End	6929
GI	7340909	Score	220
Exons	5912..6032, 6525..6929		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120287	Strand	-
Start	10278	End	11816
Name	OJ000330_40.0424.C18.o2.ts	Method	TBLASTX:Soybean
Start	64	End	2661
GI	none	Score	89
Exons	64..162, 66..188, 102..188, 257..343, 279..362, 438..548, 442..558, 446..550, 633..722, 633..716, 646..723, 796..912, 797..910, 1007..1090, 1008..1091, 2521..2661		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120287	Strand	-
Start	10278	End	11816
Name	OJ000330_40.0424.C18.o4.tm	Method	TBLASTX:Maize
Start	81	End	3396
GI	none	Score	137
Exons	81..164, 281..343, 1351..1476, 1374..1520, 1375..1515, 3220..3396, 3222..3383		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120287	Strand	-
Start	10278	End	11816
Name	OJ000330_40.0424.C18.o2.tm	Method	TBLASTX:Maize
Start	438	End	2667
GI	none	Score	110
Exons	438..548, 445..549, 446..550, 645..710, 646..732, 646..711, 796..909, 797..910, 984..1076, 989..1087, 1010..1087, 2521..2667		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120287	Strand	-
Start	10278	End	11816
Name	OJ000330_40.0424.C18.o4.tc	Method	TBLASTX:Cress
Start	442	End	2667
GI	none	Score	114
Exons	442..546, 446..547, 645..716, 646..732, 796..912, 2521..2667		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120287	Strand	-
Start	10278	End	11816
Name	OJ000330_40.0424.C18.o3.ts	Method	TBLASTX:Soybean
Start	1374	End	3404
GI	none	Score	182
Exons	1374..1520, 1375..1515, 1398..1526, 3220..3381, 3222..3404		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120287	Strand	-
Start	10278	End	11816
Name	OJ000330_40.0424.C18.o3.tc	Method	TBLASTX:Cress
Start	3220	End	3387
GI	none	Score	113
Exons	3220..3387, 3222..3383		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120287	Strand	-
Start	10278	End	11816
Name	OJ000330_40.0424.C18.o5.tm	Method	TBLASTX:Maize
Start	6087	End	6233
GI	none	Score	202
Exons	6087..6233, 6095..6226		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120287	Strand	-
Start	10278	End	11816
Name	OJ000330_40.0424.C18.o5.ts	Method	TBLASTX:Soybean
Start	6101	End	6399
GI	none	Score	156
Exons	6101..6226, 6102..6227, 6295..6399, 6307..6390		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120287	Strand	-
Start	10278	End	11816
Name	OJ000330_40.0424.C18.o1.tm	Method	TBLASTX:Maize
Start	9917	End	11813
GI	none	Score	60
Exons	9917..9979, 9918..9983, 9978..10007, 10045..10098, 10046..10099, 10328..10408, 10330..10407, 10405..10626, 10416..10613, 10465..10614, 10576..10710, 10613..10681, 10616..10714, 10663..10713, 10717..10779, 10718..10783, 11290..11487, 11291..11488, 11538..11582, 11538..11582, 11581..11601, 11583..11603, 11597..11707, 11620..11706, 11630..11719, 11711..11809, 11724..11813, 11787..11810		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120287	Strand	-
Start	10278	End	11816
Name	OJ000330_40.0424.C18.o3.gp	Method	AAT/GAP
Start	10278	End	10388
GI	1631757	Score	173
Exons	10278..10388		
GI Descrip.	5123910/emb|CAA67191.1| 8.0e-15 (X98582) HSP80-2 [Triticum aestivum]		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120287	Strand	-
Start	10278	End	11816
Name	OJ000330_40.0424.C18.o1.tc	Method	TBLASTX:Cress
Start	10327	End	11816
GI	none	Score	126
Exons	10327..10407, 10328..10408, 10405..10626, 10425..10613, 10616..10714, 10666..10713, 10717..10779, 10718..10783, 11290..11487, 11291..11488, 11542..11604, 11594..11689, 11675..11695, 11751..11816		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120287	Strand	-
Start	10278	End	11816
Name	OJ000330_40.0424.C18.o1.ts	Method	TBLASTX:Soybean
Start	10327	End	11813
GI	none	Score	134
Exons	10327..10407, 10328..10408, 10405..10626, 10419..10613, 10616..10714, 10616..10681, 10666..10713, 10717..10776, 10718..10783, 11291..11491, 11293..11487, 11538..11579, 11539..11577, 11573..11620, 11594..11707, 11620..11706, 11724..11813		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120287	Strand	-
Start	10278	End	11816
Name	OJ000330_40.0424.C18.o2.tw	Method	TBLASTX:Wheat
Start	10328	End	10560
GI	none	Score	125
Exons	10328..10408, 10330..10407, 10411..10560, 10425..10559		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120287	Strand	-
Start	10278	End	11816
Name	OJ000330_40.0424.C18.o1.tw	Method	TBLASTX:Wheat
Start	10690	End	11813
GI	none	Score	78
Exons	10690..10779, 10718..10783, 11290..11499, 11291..11500, 11538..11582, 11539..11577, 11594..11707, 11620..11706, 11621..11719, 11711..11812, 11724..11813, 11787..11813		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120288	Strand	
Start	16684	End	19536
Name	OJ000330_40.0424.C18.o3.tm	Method	TBLASTX:Maize
Start	16684	End	19534
GI	none	Score	106
Exons	16684..16755, 16685..16801, 16695..16802, 17580..17726, 17581..17727, 17582..17728, 17583..17729, 18373..18501, 18384..18515, 18386..18514, 18386..18517, 18767..18922, 18775..18921, 19417..19533, 19418..19534		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120288	Strand	
Start	16684	End	19536
Name	OJ000330_40.0424.C18.o4.tw	Method	TBLASTX:Wheat
Start	16684	End	18427

GI	none	Score	107
Exons	16684..16755, 16688..16801, 16695..16802, 17562..17726, 17581..17727, 17581..17733, 17586..17729, 18384..18425, 18384..18425, 18385..18426, 18386..18427		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120288	Strand	
Start	16684	End	19536
Name	OJ000330_40.0424.C18.o4.ts	Method	TBLASTX:Soybean
Start	16688	End	19536
GI	none	Score	136
Exons	16688..16801, 16695..16802, 17580..17744, 17581..17727, 18385..18513, 18386..18514, 18753..18920, 18767..18922, 18775..18921, 19417..19536, 19418..19534		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120288	Strand	
Start	16684	End	19536
Name	OJ000330_40.0424.C18.o2.tc	Method	TBLASTX:Cress
Start	17541	End	19536
GI	none	Score	205
Exons	17541..17744, 17542..17727, 18368..18514, 18373..18516, 18385..18516, 18389..18532, 18762..18920, 18767..18922, 18775..18921, 19417..19536, 19418..19534		

Seq. No.	57473	Seq. ID	OJ000330_40.0424.C18
Gene No.	120288	Strand	
Start	16684	End	19536
Name	OJ000330_40.0424.C18.o3.tw	Method	TBLASTX:Wheat
Start	18473	End	19534
GI	none	Score	55
Exons	18473..18517, 18476..18514, 18762..18920, 18767..18922, 18775..18921, 19423..19533, 19423..19533, 19424..19534		

Seq. No.	57474	Seq. ID	OJ000330_40.0424.C20
Gene No.	120289	Strand	+
Start	188	End	1541
Name	OJ000330_40.0424.C20.o1.tm	Method	TBLASTX:Maize
Start	3	End	1484
GI	none	Score	98
Exons	3..179, 4..162, 182..352, 184..258, 344..508, 370..435, 373..447, 374..508, 525..593, 526..690, 532..690, 681..1034, 682..723, 684..854, 691..1029, 720..863, 721..870, 730..1023, 1003..1242, 1041..1265, 1043..1243, 1200..1247, 1344..1463, 1355..1444, 1356..1484		

Seq. No.	57474	Seq. ID	OJ000330_40.0424.C20
Gene No.	120289	Strand	+
Start	188	End	1541
Name	OJ000330_40.0424.C20.o1.gs	Method	GENSCAN
Start	188	End	1541
GI	none	Score	.56
Exons	188..514, 550..1242, 1359..1541		

Seq. No.	57475	Seq. ID	OJ000330_34.0419.C3
Gene No.	120290	Strand	+
Start	1	End	1719

Name	OJ000330_34.0419.C3.o1.np	Method	AAT/NAP
Start	1	End	1719
GI	7228442	Score	1733
Exons	1..1719		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	57475	Seq. ID	OJ000330_34.0419.C3
Gene No.	120290	Strand	+
Start	1	End	1719
Name	OJ000330_34.0419.C3.o1.tm	Method	TBLASTX:Maize
Start	883	End	1479
GI	none	Score	352
Exons	883..1350, 888..1361, 1408..1479		

Seq. No.	57475	Seq. ID	OJ000330_34.0419.C3
Gene No.	120290	Strand	+
Start	1	End	1719
Name	OJ000330_34.0419.C3.o1.tw	Method	TBLASTX:Wheat
Start	1179	End	1554
GI	none	Score	173
Exons	1179..1325, 1180..1356, 1380..1472, 1381..1554, 1403..1543		

Seq. No.	57476	Seq. ID	OJ000330_34.0419.C4
Gene No.	120291	Strand	+
Start	44	End	5382
Name	OJ000330_34.0419.C4.o1.gs	Method	GENSCAN
Start	44	End	5382
GI	none	Score	.6
Exons	44..339, 422..563, 645..781, 2139..2232, 2523..3461, 3957..4030, 4106..4265, 4284..4472, 4558..4872, 4952..5174, 5357..5382		

Seq. No.	57476	Seq. ID	OJ000330_34.0419.C4
Gene No.	120291	Strand	+
Start	44	End	5382
Name	OJ000330_34.0419.C4.o4.np	Method	AAT/NAP
Start	297	End	4667
GI	7228438	Score	351
Exons	297..489, 2573..2807, 4377..4472, 4558..4667		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	57476	Seq. ID	OJ000330_34.0419.C4
Gene No.	120291	Strand	+
Start	44	End	5382
Name	OJ000330_34.0419.C4.o2.np	Method	AAT/NAP
Start	372	End	3968
GI	7228442	Score	859
Exons	372..489, 2573..3384, 3787..3968		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	57476	Seq. ID	OJ000330_34.0419.C4
Gene No.	120291	Strand	+

Start	44	End	5382
Name	OJ000330_34.0419.C4.o5.np	Method	AAT/NAP
Start	687	End	4667
GI	7228438	Score	353
Exons	687..708, 1523..1573, 2572..2807, 4377..4472, 4558..4667		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	57476	Seq. ID	OJ000330_34.0419.C4
Gene No.	120291	Strand	+
Start	44	End	5382
Name	OJ000330_34.0419.C4.o1.gp	Method	AAT/GAP
Start	1121	End	1201
GI	LIB3434-017-P1-K1-F5	Score	80
Exons	1121..1201		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	57476	Seq. ID	OJ000330_34.0419.C4
Gene No.	120292	Strand	-
Start	1593	End	5643
Name	OJ000330_34.0419.C4.o1.np	Method	AAT/NAP
Start	1593	End	5643
GI	4680183	Score	133
Exons	1593..1712, 5591..5643		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	57476	Seq. ID	OJ000330_34.0419.C4
Gene No.	120292	Strand	-
Start	1593	End	5643
Name	OJ000330_34.0419.C4.o2.gp	Method	AAT/GAP
Start	2315	End	2423
GI	uC-osflcyp088b12b1	Score	156
Exons	2315..2423		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	57477	Seq. ID	OJ000330_34.0419.C5
Gene No.	120293	Strand	+
Start	109	End	252
Name	OJ000330_34.0419.C5.o1.gs	Method	GENSCAN
Start	109	End	252
GI	none	Score	.93
Exons	109..252		

Seq. No.	57478	Seq. ID	OJ000330_34.0419.C6
Gene No.	120294	Strand	+
Start	333	End	974
Name	OJ000330_34.0419.C6.o1.gs	Method	GENSCAN
Start	333	End	974
GI	none	Score	.48
Exons	333..514, 762..974		

Seq. No.	57478	Seq. ID	OJ000330_34.0419.C6
Gene No.	120295	Strand	-
Start	680	End	757

Name	OJ000330_34.0419.C6.o1.gp	Method	AAT/GAP
Start	680	End	757
GI	LIB3477-003-P1-K1-E9	Score	97
Exons	680..757		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	57478	Seq. ID	OJ000330_34.0419.C6
Gene No.	120296	Strand	-
Start	968	End	1754
Name	OJ000330_34.0419.C6.o1.np	Method	AAT/NAP
Start	968	End	1754
GI	4544372	Score	377
Exons	968..1754		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	57478	Seq. ID	OJ000330_34.0419.C6
Gene No.	120296	Strand	-
Start	968	End	1754
Name	OJ000330_34.0419.C6.o1.ts	Method	TBLASTX:Soybean
Start	974	End	1207
GI	none	Score	162
Exons	974..1207, 975..1205		

Seq. No.	57478	Seq. ID	OJ000330_34.0419.C6
Gene No.	120296	Strand	-
Start	968	End	1754
Name	OJ000330_34.0419.C6.o1.tw	Method	TBLASTX:Wheat
Start	983	End	1369
GI	none	Score	90
Exons	983..1369, 1020..1250		

Seq. No.	57478	Seq. ID	OJ000330_34.0419.C6
Gene No.	120296	Strand	-
Start	968	End	1754
Name	OJ000330_34.0419.C6.o2.tw	Method	TBLASTX:Wheat
Start	1410	End	1752
GI	none	Score	49
Exons	1410..1751, 1693..1752		

Seq. No.	57478	Seq. ID	OJ000330_34.0419.C6
Gene No.	120296	Strand	-
Start	968	End	1754
Name	OJ000330_34.0419.C6.o2.ts	Method	TBLASTX:Soybean
Start	1470	End	1754
GI	none	Score	177
Exons	1470..1754		

Seq. No.	57479	Seq. ID	OJ000330_34.0419.C7
Gene No.	120297	Strand	-
Start	1	End	706
Name	OJ000330_34.0419.C7.o1.np	Method	AAT/NAP
Start	1	End	706
GI	7248394	Score	649
Exons	1..580, 685..706		

GI Descrip. (AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)

Seq. No.	57479	Seq. ID	OJ000330_34.0419.C7
Gene No.	120297	Strand	-
Start	1	End	706
Name	OJ000330_34.0419.C7.o1.tm	Method	TBLASTX:Maize
Start	3	End	443
GI	none	Score	200
Exons	3..443, 25..294, 54..443		

Seq. No.	57479	Seq. ID	OJ000330_34.0419.C7
Gene No.	120297	Strand	-
Start	1	End	706
Name	OJ000330_34.0419.C7.o2.tw	Method	TBLASTX:Wheat
Start	9	End	294
GI	none	Score	100
Exons	9..293, 31..294		

Seq. No.	57479	Seq. ID	OJ000330_34.0419.C7
Gene No.	120297	Strand	-
Start	1	End	706
Name	OJ000330_34.0419.C7.o1.ts	Method	TBLASTX:Soybean
Start	15	End	296
GI	none	Score	100
Exons	15..296, 34..258		

Seq. No.	57479	Seq. ID	OJ000330_34.0419.C7
Gene No.	120297	Strand	-
Start	1	End	706
Name	OJ000330_34.0419.C7.o1.gs	Method	GENSCAN
Start	75	End	590
GI	none	Score	.5
Exons	75..590		

Seq. No.	57479	Seq. ID	OJ000330_34.0419.C7
Gene No.	120297	Strand	-
Start	1	End	706
Name	OJ000330_34.0419.C7.o1.tw	Method	TBLASTX:Wheat
Start	331	End	704
GI	none	Score	277
Exons	331..522, 333..665, 355..657,	660..704,	670..702

Seq. No.	57479	Seq. ID	OJ000330_34.0419.C7
Gene No.	120297	Strand	-
Start	1	End	706
Name	OJ000330_34.0419.C7.o2.tm	Method	TBLASTX:Maize
Start	444	End	662
GI	none	Score	204
Exons	444..662, 445..657		

Seq. No.	57480	Seq. ID	OJ000330_34.0419.C8
Gene No.	120298	Strand	+
Start	1	End	1846

Name	OJ000330_34.0419.C8.o1.np	Method	AAT/NAP
Start	1	End	1846
GI	4680186	Score	217
Exons	1..26, 1647..1846		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	57480	Seq. ID	OJ000330_34.0419.C8
Gene No.	120299	Strand	-
Start	894	End	1602
Name	OJ000330_34.0419.C8.o1.gs	Method	GENSCAN
Start	894	End	1602
GI	none	Score	.88
Exons	894..960, 1517..1602		

Seq. No.	57481	Seq. ID	OJ000330_34.0419.C9
Gene No.	120300	Strand	+
Start	44	End	1130
Name	OJ000330_34.0419.C9.o1.gs	Method	GENSCAN
Start	44	End	1130
GI	none	Score	.5
Exons	44..227, 448..625, 933..1130		

Seq. No.	57481	Seq. ID	OJ000330_34.0419.C9
Gene No.	120301	Strand	-
Start	76	End	1164
Name	OJ000330_34.0419.C9.o1.np	Method	AAT/NAP
Start	76	End	1164
GI	6907087	Score	398
Exons	76..177, 708..1164		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57482	Seq. ID	OJ000330_34.0419.C11
Gene No.	120302	Strand	+
Start	253	End	992
Name	OJ000330_34.0419.C11.o1.np	Method	AAT/NAP
Start	253	End	992
GI	5852179	Score	323
Exons	253..472, 546..783, 869..992		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	57482	Seq. ID	OJ000330_34.0419.C11
Gene No.	120303	Strand	-
Start	316	End	766
Name	OJ000330_34.0419.C11.o1.gs	Method	GENSCAN
Start	316	End	766
GI	none	Score	.7
Exons	316..466, 498..766		

Seq. No.	57483	Seq. ID	OJ000330_34.0419.C13
Gene No.	120304	Strand	+
Start	1	End	2516
Name	OJ000330_34.0419.C13.o1.gp	Method	AAT/GAP
Start	1	End	2333
GI	342_1.R1084	Score	3704
Exons	1..1651, 1687..1706, 1789..1886, 1996..2333		

GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	57483	Seq. ID	OJ000330_34.0419.C13
Gene No.	120304	Strand	+
Start	1	End	2516
Name	OJ000330_34.0419.C13.o1.np	Method	AAT/NAP
Start	1	End	1020
GI	6742729	Score	1598
Exons	1..1020		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	57483	Seq. ID	OJ000330_34.0419.C13
Gene No.	120304	Strand	+
Start	1	End	2516
Name	OJ000330_34.0419.C13.o3.gp	Method	AAT/GAP
Start	1	End	2516
GI	342_1.R1084	Score	4031
Exons	1..1651, 1687..1706, 1789..1886, 1996..2516		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	57483	Seq. ID	OJ000330_34.0419.C13
Gene No.	120304	Strand	+
Start	1	End	2516
Name	OJ000330_34.0419.C13.o1.gs	Method	GENSCAN
Start	521	End	1579
GI	none	Score	.47
Exons	521..1579		
Seq. No.	57483	Seq. ID	OJ000330_34.0419.C13
Gene No.	120305	Strand	-
Start	2481	End	2786
Name	OJ000330_34.0419.C13.o1.tw	Method	TBLASTX:Wheat
Start	187	End	1504
GI	none	Score	844
Exons	187..1089, 188..1105, 773..1090, 1077..1139, 1100..1144, 1103..1144, 1147..1242, 1151..1210, 1189..1329, 1190..1330, 1258..1338, 1343..1423, 1412..1504, 1438..1503		
Seq. No.	57483	Seq. ID	OJ000330_34.0419.C13
Gene No.	120305	Strand	-
Start	2481	End	2786
Name	OJ000330_34.0419.C13.o1.tm	Method	TBLASTX:Maize
Start	230	End	544
GI	none	Score	304
Exons	230..544, 241..516		
Seq. No.	57483	Seq. ID	OJ000330_34.0419.C13
Gene No.	120305	Strand	-
Start	2481	End	2786
Name	OJ000330_34.0419.C13.o1.tc	Method	TBLASTX:Cress
Start	471	End	922
GI	none	Score	171
Exons	471..626, 475..912, 475..918, 479..922, 485..922		
Seq. No.	57483	Seq. ID	OJ000330_34.0419.C13

Gene No.	120305	Strand	-
Start	2481	End	2786
Name	OJ000330_34.0419.C13.o2.gs	Method	GENSCAN
Start	2481	End	2786
GI	none	Score	1
Exons	2481..2786		

Seq. No.	57484	Seq. ID	OJ000330_34.0419.C14
Gene No.	120306	Strand	+
Start	131	End	4502
Name	OJ000330_34.0419.C14.o1.gs	Method	GENSCAN
Start	131	End	4494
GI	none	Score	.58
Exons	131..963, 1075..1248, 1345..1455, 1543..1615, 3346..4494		

Seq. No.	57484	Seq. ID	OJ000330_34.0419.C14
Gene No.	120306	Strand	+
Start	131	End	4502
Name	OJ000330_34.0419.C14.o1.gp	Method	AAT/GAP
Start	385	End	863
GI	uC-osf1cyp176f10b1	Score	878
Exons	385..863		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	57484	Seq. ID	OJ000330_34.0419.C14
Gene No.	120306	Strand	+
Start	131	End	4502
Name	OJ000330_34.0419.C14.o2.tw	Method	TBLASTX:Wheat
Start	890	End	1414
GI	none	Score	55
Exons	890..970, 1061..1243, 1111..1236, 1343..1414		

Seq. No.	57484	Seq. ID	OJ000330_34.0419.C14
Gene No.	120306	Strand	+
Start	131	End	4502
Name	OJ000330_34.0419.C14.o2.gp	Method	AAT/GAP
Start	2269	End	2370
GI	LIB3477-003-P1-K1-E9	Score	139
Exons	2269..2370		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	57484	Seq. ID	OJ000330_34.0419.C14
Gene No.	120306	Strand	+
Start	131	End	4502
Name	OJ000330_34.0419.C14.o3.np	Method	AAT/NAP
Start	3331	End	4502
GI	4680204	Score	734
Exons	3331..4502		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	57484	Seq. ID	OJ000330_34.0419.C14
Gene No.	120306	Strand	+
Start	131	End	4502

Name	OJ000330_34.0419.C14.o1.tw	Method	TBLASTX:Wheat
Start	3974	End	4377
GI	none	Score	62
Exons	3974..4114, 3974..4090, 3976..4212, 3976..4125, 4077..4244, 4207..4377, 4282..4377		

Seq. No.	57485	Seq. ID	OJ000330_34.0419.C15
Gene No.	120307	Strand	+
Start	3597	End	4950
Name	OJ000330_34.0419.C15.o1.np	Method	AAT/NAP
Start	3597	End	4950
GI	7340875	Score	106
Exons	3597..3779, 4917..4950		
GI Descrip.	(AP001551) Similar to Arabidopsis thaliana chromosome 4 ESSA I contig fragment No. 1 ; carnitine racemase like protein. (Z97336) [Oryza sativa]		

Seq. No.	57485	Seq. ID	OJ000330_34.0419.C15
Gene No.	120308	Strand	+
Start	6124	End	11289
Name	OJ000330_34.0419.C15.o2.np	Method	AAT/NAP
Start	6124	End	11289
GI	7106512	Score	106
Exons	6124..6183, 6256..6369, 10991..11289		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57485	Seq. ID	OJ000330_34.0419.C15
Gene No.	120309	Strand	-
Start	5261	End	5366
Name	OJ000330_34.0419.C15.o1.gp	Method	AAT/GAP
Start	5261	End	5366
GI	uC-osflm202106c10b1	Score	184
Exons	5261..5366		
GI Descrip.	'4388818/gb|AAD19773| 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]'		

Seq. No.	57486	Seq. ID	OJ000330_34.0419.C16
Gene No.	120310	Strand	+
Start	1	End	2842
Name	OJ000330_34.0419.C16.o1.np	Method	AAT/NAP
Start	1	End	409
GI	6063554	Score	130
Exons	1..164, 217..409		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57486	Seq. ID	OJ000330_34.0419.C16
Gene No.	120310	Strand	+
Start	1	End	2842
Name	OJ000330_34.0419.C16.o2.np	Method	AAT/NAP
Start	1	End	2842
GI	4680183	Score	178
Exons	1..41, 2073..2143, 2753..2842		

GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. No.	57487	Seq. ID	OJ000330_34.0419.C17
Gene No.	120311	Strand	-
Start	1	End	2250
Name	OJ000330_34.0419.C17.o1.np	Method	AAT/NAP
Start	1	End	834
GI	7340881	Score	505
Exons	1..238, 294..385, 478..601, 748..834		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	57487	Seq. ID	OJ000330_34.0419.C17
Gene No.	120311	Strand	-
Start	1	End	2250
Name	OJ000330_34.0419.C17.o1.gs	Method	GENSCAN
Start	138	End	1810
GI	none	Score	.73
Exons	138..249, 294..385, 478..591, 920..978, 1016..1137, 1553..1810		

Seq. No.	57487	Seq. ID	OJ000330_34.0419.C17
Gene No.	120311	Strand	-
Start	1	End	2250
Name	OJ000330_34.0419.C17.o2.np	Method	AAT/NAP
Start	1418	End	2250
GI	4680179	Score	1014
Exons	1418..2250		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	57487	Seq. ID	OJ000330_34.0419.C17
Gene No.	120311	Strand	-
Start	1	End	2250
Name	OJ000330_34.0419.C17.o1.tw	Method	TBLASTX:Wheat
Start	1428	End	1852
GI	none	Score	36
Exons	1428..1481, 1463..1852, 1593..1703, 1688..1768, 1725..1850		

Seq. No.	57487	Seq. ID	OJ000330_34.0419.C17
Gene No.	120311	Strand	-
Start	1	End	2250
Name	OJ000330_34.0419.C17.o2.tm	Method	TBLASTX:Maize
Start	1442	End	1639
GI	none	Score	194
Exons	1442..1639		

Seq. No.	57487	Seq. ID	OJ000330_34.0419.C17
Gene No.	120311	Strand	-
Start	1	End	2250
Name	OJ000330_34.0419.C17.o1.tm	Method	TBLASTX:Maize
Start	1643	End	2049
GI	none	Score	103
Exons	1643..1861, 1668..1856, 1861..2028, 1862..2029, 2022..2048, 2023..2049		

Seq. No.	57487	Seq. ID	OJ000330_34.0419.C17
Gene No.	120311	Strand	-
Start	1	End	2250
Name	OJ000330_34.0419.C17.o2.tw	Method	TBLASTX:Wheat

Start	1861	End	2049
GI	none	Score	108
Exons	1861..2028, 1862..2029, 2019..2048, 2023..2049		

Seq. No.	57488	Seq. ID	OJ000330_34.0419.C19
Gene No.	120312	Strand	+
Start	445	End	680
Name	OJ000330_34.0419.C19.o1.gs	Method	GENSCAN
Start	445	End	680
GI	none	Score	.83
Exons	445..565, 611..680		

Seq. No.	57489	Seq. ID	OJ000330_34.0419.C20
Gene No.	120313	Strand	-
Start	1870	End	2021
Name	OJ000330_34.0419.C20.o1.gs	Method	GENSCAN
Start	1870	End	2021
GI	none	Score	.76
Exons	1870..2021		

Seq. No.	57490	Seq. ID	OJ000330_34.0419.C22
Gene No.	120314	Strand	+
Start	384	End	518
Name	OJ000330_34.0419.C22.o1.gs	Method	GENSCAN
Start	384	End	518
GI	none	Score	.42
Exons	384..518		

Seq. No.	57491	Seq. ID	OJ000330_34.0419.C23
Gene No.	120315	Strand	-
Start	1	End	4966
Name	OJ000330_34.0419.C23.o1.np	Method	AAT/NAP
Start	1	End	4966
GI	7447933	Score	295
Exons	1..70, 2089..2191, 2279..2451, 4922..4966		
GI Descrip.	auxin-induced protein - common sunflower gi|2606077|gb|AAB84222.1| (AF030301) auxin-induced protein [Helianthus annuus]		

Seq. No.	57491	Seq. ID	OJ000330_34.0419.C23
Gene No.	120315	Strand	-
Start	1	End	4966
Name	OJ000330_34.0419.C23.o1.ts	Method	TBLASTX:Soybean
Start	8	End	2465
GI	none	Score	169
Exons	8..79, 2147..2194, 2278..2463, 2278..2463, 2352..2465		

Seq. No.	57491	Seq. ID	OJ000330_34.0419.C23
Gene No.	120315	Strand	-
Start	1	End	4966
Name	OJ000330_34.0419.C23.o1.tc	Method	TBLASTX:Cress
Start	11	End	2463
GI	none	Score	157
Exons	11..79, 2152..2193, 2278..2463, 2279..2410, 2364..2450		

Seq. No.	57491	Seq. ID	OJ000330_34.0419.C23
Gene No.	120315	Strand	-

Start	1	End	4966
Name	OJ000330_34.0419.C23.o1.gs	Method	GENSCAN
Start	14	End	3376
GI	none	Score	.96
Exons	14..70, 459..598, 2279..2451, 3242..3376		

Seq. No.	57491	Seq. ID	OJ000330_34.0419.C23
Gene No.	120315	Strand	-
Start	1	End	4966
Name	OJ000330_34.0419.C23.o2.tm	Method	TBLASTX:Maize
Start	782	End	1508
GI	none	Score	53
Exons	782..856, 782..856, 783..857, 784..852, 799..855, 812..904, 876..1100, 878..1018, 910..1080, 911..1009, 911..1012, 912..1010, 913..996, 919..1011, 922..1023, 926..1027, 927..1034, 929..1048, 931..1050, 1014..1193, 1017..1199, 1026..1172, 1026..1184, 1033..1167, 1037..1165, 1044..1196, 1044..1199, 1045..1197, 1051..1224, 1054..1209, 1059..1217, 1059..1208, 1063..1221, 1139..1168, 1146..1235, 1147..1239, 1147..1239, 1203..1418, 1215..1292, 1222..1299, 1230..1379, 1231..1380, 1235..1396, 1236..1400, 1241..1387, 1245..1397, 1266..1394, 1272..1430, 1273..1431, 1276..1395, 1287..1430, 1428..1508		

Seq. No.	57491	Seq. ID	OJ000330_34.0419.C23
Gene No.	120315	Strand	-
Start	1	End	4966
Name	OJ000330_34.0419.C23.o1.tm	Method	TBLASTX:Maize
Start	2152	End	2463
GI	none	Score	37
Exons	2152..2193, 2171..2197, 2278..2463, 2279..2410, 2281..2451		

Seq. No.	57492	Seq. ID	OJ000330_34.0419.C24
Gene No.	120316	Strand	-
Start	160	End	705
Name	OJ000330_34.0419.C24.o1.gs	Method	GENSCAN
Start	160	End	705
GI	none	Score	.43
Exons	160..353, 663..705		

Seq. No.	57493	Seq. ID	OJ000330_34.0419.C25
Gene No.	120317	Strand	-
Start	16	End	300
Name	OJ000330_34.0419.C25.o1.gs	Method	GENSCAN
Start	16	End	300
GI	none	Score	.7
Exons	16..300		

Seq. No.	57494	Seq. ID	OJ000330_34.0419.C27
Gene No.	120318	Strand	+
Start	125	End	620
Name	OJ000330_34.0419.C27.o1.gs	Method	GENSCAN
Start	125	End	525
GI	none	Score	.52
Exons	125..188, 396..525		

Seq. No.	57494	Seq. ID	OJ000330_34.0419.C27
Gene No.	120318	Strand	+

Start	125	End	620
Name	OJ000330_34.0419.C27.o1.np	Method	AAT/NAP
Start	383	End	620
GI	5852179	Score	90
Exons	383..620		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	57495	Seq. ID	OJ000330_34.0419.C28
Gene No.	120319	Strand	+
Start	1	End	1759
Name	OJ000330_34.0419.C28.o1.np	Method	AAT/NAP
Start	1	End	1756
GI	4680179	Score	2938
Exons	1..1756		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	57495	Seq. ID	OJ000330_34.0419.C28
Gene No.	120319	Strand	+
Start	1	End	1759
Name	OJ000330_34.0419.C28.o1.gs	Method	GENSCAN
Start	119	End	1759
GI	none	Score	.96
Exons	119..1759		

Seq. No.	57495	Seq. ID	OJ000330_34.0419.C28
Gene No.	120320	Strand	-
Start	2490	End	4653
Name	OJ000330_34.0419.C28.o4.tw	Method	TBLASTX:Wheat
Start	1	End	178
GI	none	Score	275
Exons	1..171, 2..178, 2..175		

Seq. No.	57495	Seq. ID	OJ000330_34.0419.C28
Gene No.	120320	Strand	-
Start	2490	End	4653
Name	OJ000330_34.0419.C28.o3.tm	Method	TBLASTX:Maize
Start	2	End	178
GI	none	Score	230
Exons	2..178, 25..171		

Seq. No.	57495	Seq. ID	OJ000330_34.0419.C28
Gene No.	120320	Strand	-
Start	2490	End	4653
Name	OJ000330_34.0419.C28.o2.tw	Method	TBLASTX:Wheat
Start	218	End	745
GI	none	Score	619
Exons	218..745, 299..730, 490..744		

Seq. No.	57495	Seq. ID	OJ000330_34.0419.C28
Gene No.	120320	Strand	-
Start	2490	End	4653
Name	OJ000330_34.0419.C28.o1.tc	Method	TBLASTX:Cress
Start	452	End	769
GI	none	Score	90
Exons	452..625, 626..769, 628..768		

Seq. No.	57495	Seq. ID	OJ000330_34.0419.C28

Gene No.	120320	Strand	-
Start	2490	End	4653
Name	OJ000330_34.0419.C28.o1.ts	Method	TBLASTX:Soybean
Start	533	End	793
GI	none	Score	300
Exons	533..793, 538..792		

Seq. No.	57495	Seq. ID	OJ000330_34.0419.C28
Gene No.	120320	Strand	-
Start	2490	End	4653
Name	OJ000330_34.0419.C28.o2.tm	Method	TBLASTX:Maize
Start	592	End	883
GI	none	Score	386
Exons	592..879, 593..883		

Seq. No.	57495	Seq. ID	OJ000330_34.0419.C28
Gene No.	120320	Strand	-
Start	2490	End	4653
Name	OJ000330_34.0419.C28.o1.tw	Method	TBLASTX:Wheat
Start	752	End	1378
GI	none	Score	725
Exons	752..1378, 754..1377		

Seq. No.	57495	Seq. ID	OJ000330_34.0419.C28
Gene No.	120320	Strand	-
Start	2490	End	4653
Name	OJ000330_34.0419.C28.o1.tm	Method	TBLASTX:Maize
Start	932	End	1519
GI	none	Score	226
Exons	932..1093, 940..1086, 1091..1519, 1096..1518		

Seq. No.	57495	Seq. ID	OJ000330_34.0419.C28
Gene No.	120320	Strand	-
Start	2490	End	4653
Name	OJ000330_34.0419.C28.o3.tw	Method	TBLASTX:Wheat
Start	1378	End	1711
GI	none	Score	369
Exons	1378..1647, 1379..1711		

Seq. No.	57495	Seq. ID	OJ000330_34.0419.C28
Gene No.	120320	Strand	-
Start	2490	End	4653
Name	OJ000330_34.0419.C28.o4.tm	Method	TBLASTX:Maize
Start	1520	End	1732
GI	none	Score	204
Exons	1520..1732		

Seq. No.	57495	Seq. ID	OJ000330_34.0419.C28
Gene No.	120320	Strand	-
Start	2490	End	4653
Name	OJ000330_34.0419.C28.o2.np	Method	AAT/NAP
Start	2426	End	4058
GI	7363272	Score	357
Exons	2426..2555, 2615..3192, 3991..4058		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	57495	Seq. ID	OJ000330_34.0419.C28

Gene No.	120320	Strand	-
Start	2490	End	4653
Name	OJ000330_34.0419.C28.o2.gs	Method	GENSCAN
Start	2490	End	4653
GI	none	Score	.91
Exons	2490..2761, 2925..3244, 3991..4109, 4516..4653		

Seq. No.	57496	Seq. ID	OJ000330_34.0419.C29
Gene No.	120321	Strand	+
Start	1	End	835
Name	OJ000330_34.0419.C29.o1.np	Method	AAT/NAP
Start	1	End	835
GI	6721517	Score	833
Exons	1..665, 714..835		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	57496	Seq. ID	OJ000330_34.0419.C29
Gene No.	120321	Strand	+
Start	1	End	835
Name	OJ000330_34.0419.C29.o1.tw	Method	TBLASTX:Wheat
Start	60	End	425
GI	none	Score	246
Exons	60..359, 65..271, 153..308, 327..425		

Seq. No.	57496	Seq. ID	OJ000330_34.0419.C29
Gene No.	120321	Strand	+
Start	1	End	835
Name	OJ000330_34.0419.C29.o1.tm	Method	TBLASTX:Maize
Start	63	End	395
GI	none	Score	226
Exons	63..395, 86..250		

Seq. No.	57496	Seq. ID	OJ000330_34.0419.C29
Gene No.	120321	Strand	+
Start	1	End	835
Name	OJ000330_34.0419.C29.o1.gs	Method	GENSCAN
Start	141	End	770
GI	none	Score	.54
Exons	141..770		

Seq. No.	57497	Seq. ID	OJ000330_34.0419.C32
Gene No.	120322	Strand	-
Start	1	End	1638
Name	OJ000330_34.0419.C32.o2.np	Method	AAT/NAP
Start	1	End	1638
GI	5042447	Score	173
Exons	1..27, 753..801, 1265..1638		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	57497	Seq. ID	OJ000330_34.0419.C32
Gene No.	120322	Strand	-
Start	1	End	1638
Name	OJ000330_34.0419.C32.o1.np	Method	AAT/NAP
Start	788	End	962
GI	6063554	Score	137
Exons	788..962		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464)		

correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	57497	Seq. ID	OJ000330_34.0419.C32
Gene No.	120323	Strand	-
Start	2092	End	2695
Name	OJ000330_34.0419.C32.o3.np	Method	AAT/NAP
Start	2092	End	2695
GI	6983858	Score	118
Exons	2092..2695		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120324	Strand	+
Start	1170	End	2069
Name	OJ000330_34.0419.C33.o1.gs	Method	GENSCAN
Start	1170	End	2069
GI	none	Score	.49
Exons	1170..1424, 1587..1689, 1984..2069		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120325	Strand	+
Start	2620	End	4576
Name	OJ000330_34.0419.C33.o1.gp	Method	AAT/GAP
Start	2496	End	2878
GI	uC-osflcyp033a04b1	Score	688
Exons	2496..2878		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120325	Strand	+
Start	2620	End	4576
Name	OJ000330_34.0419.C33.o2.gs	Method	GENSCAN
Start	2620	End	4576
GI	none	Score	.94
Exons	2620..2664, 3767..4576		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120326	Strand	+
Start	4828	End	9348
Name	OJ000330_34.0419.C33.o2.tw	Method	TBLASTX:Wheat
Start	4524	End	8334
GI	none	Score	52
Exons	4524..4586, 7767..8333, 7798..8334		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120326	Strand	+
Start	4828	End	9348
Name	OJ000330_34.0419.C33.o1.np	Method	AAT/NAP
Start	4825	End	9345
GI	4680179	Score	5298
Exons	4825..5910, 5944..9345		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33

Gene No.	120326	Strand	+
Start	4828	End	9348
Name	OJ000330_34.0419.C33.o3.gs	Method	GENSCAN
Start	4828	End	9348
GI	none	Score	.47
Exons	4828..6022, 6416..8016, 8062..8835, 8854..9054, 9115..9348		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120326	Strand	+
Start	4828	End	9348
Name	OJ000330_34.0419.C33.o9.tw	Method	TBLASTX:Wheat
Start	5068	End	5267
GI	none	Score	211
Exons	5068..5265, 5070..5267		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120326	Strand	+
Start	4828	End	9348
Name	OJ000330_34.0419.C33.o7.tw	Method	TBLASTX:Wheat
Start	5301	End	5652
GI	none	Score	294
Exons	5301..5495, 5302..5652		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120326	Strand	+
Start	4828	End	9348
Name	OJ000330_34.0419.C33.o6.tm	Method	TBLASTX:Maize
Start	5302	End	5607
GI	none	Score	230
Exons	5302..5607, 5316..5432		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120326	Strand	+
Start	4828	End	9348
Name	OJ000330_34.0419.C33.o7.tm	Method	TBLASTX:Maize
Start	5935	End	6288
GI	none	Score	189
Exons	5935..6288, 5937..6104		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120326	Strand	+
Start	4828	End	9348
Name	OJ000330_34.0419.C33.o8.tw	Method	TBLASTX:Wheat
Start	5970	End	6408
GI	none	Score	159
Exons	5970..6179, 5971..6180, 6225..6338, 6226..6339, 6367..6408		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120326	Strand	+
Start	4828	End	9348
Name	OJ000330_34.0419.C33.o4.tw	Method	TBLASTX:Wheat
Start	6508	End	6990
GI	none	Score	51
Exons	6508..6558, 6612..6947, 6613..6990		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120326	Strand	+

Start	4828	End	9348
Name	OJ000330_34.0419.C33.o5.tm	Method	TBLASTX:Maize
Start	6520	End	6809
GI	none	Score	277
Exons	6520..6807, 6616..6807, 6618..6809		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120326	Strand	+
Start	4828	End	9348
Name	OJ000330_34.0419.C33.o3.tm	Method	TBLASTX:Maize
Start	6877	End	7377
GI	none	Score	167
Exons	6877..7056, 6885..7031, 7063..7377, 7203..7256, 7284..7334		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120326	Strand	+
Start	4828	End	9348
Name	OJ000330_34.0419.C33.o1.ts	Method	TBLASTX:Soybean
Start	6931	End	7326
GI	none	Score	57
Exons	6931..6963, 6933..6962, 6967..7326, 6969..7007, 7035..7325		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120326	Strand	+
Start	4828	End	9348
Name	OJ000330_34.0419.C33.o5.tw	Method	TBLASTX:Wheat
Start	7039	End	7341
GI	none	Score	381
Exons	7039..7341, 7041..7325		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120326	Strand	+
Start	4828	End	9348
Name	OJ000330_34.0419.C33.o3.tw	Method	TBLASTX:Wheat
Start	7345	End	7764
GI	none	Score	571
Exons	7345..7764, 7374..7763		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120326	Strand	+
Start	4828	End	9348
Name	OJ000330_34.0419.C33.o3.ts	Method	TBLASTX:Soybean
Start	7348	End	7593
GI	none	Score	194
Exons	7348..7593, 7365..7493		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120326	Strand	+
Start	4828	End	9348
Name	OJ000330_34.0419.C33.o2.tm	Method	TBLASTX:Maize
Start	7413	End	7776
GI	none	Score	477
Exons	7413..7763, 7414..7767, 7414..7776		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120326	Strand	+
Start	4828	End	9348

Name	OJ000330_34.0419.C33.o2.ts	Method	TBLASTX:Soybean
Start	8122	End	8382
GI	none	Score	294
Exons	8122..8382, 8127..8381		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120326	Strand	+
Start	4828	End	9348
Name	OJ000330_34.0419.C33.o4.tm	Method	TBLASTX:Maize
Start	8180	End	8472
GI	none	Score	85
Exons	8180..8332, 8181..8468, 8182..8472		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120326	Strand	+
Start	4828	End	9348
Name	OJ000330_34.0419.C33.o1.tw	Method	TBLASTX:Wheat
Start	8341	End	8967
GI	none	Score	668
Exons	8341..8967, 8397..8966		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120326	Strand	+
Start	4828	End	9348
Name	OJ000330_34.0419.C33.o1.tm	Method	TBLASTX:Maize
Start	8521	End	9120
GI	none	Score	217
Exons	8521..8682, 8529..8675, 8680..9120, 8682..9104		

Seq. No.	57498	Seq. ID	OJ000330_34.0419.C33
Gene No.	120326	Strand	+
Start	4828	End	9348
Name	OJ000330_34.0419.C33.o6.tw	Method	TBLASTX:Wheat
Start	8967	End	9300
GI	none	Score	347
Exons	8967..9236, 8968..9300, 8971..9279		

Seq. No.	57499	Seq. ID	OJ000330_34.0419.C34
Gene No.	120327	Strand	+
Start	1142	End	1523
Name	OJ000330_34.0419.C34.o1.gp	Method	AAT/GAP
Start	1142	End	1523
GI	uC-osflcyp033a04b1	Score	663
Exons	1142..1523		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	57499	Seq. ID	OJ000330_34.0419.C34
Gene No.	120328	Strand	+
Start	5174	End	11459
Name	OJ000330_34.0419.C34.o4.gs	Method	GENSCAN
Start	5174	End	11459
GI	none	Score	.55
Exons	5174..5249, 5551..5724, 6646..6730, 7238..7334, 8118..8706, 8872..9015, 10331..10392, 11262..11459		

Seq. No.	57499	Seq. ID	OJ000330_34.0419.C34

Gene No.	120329	Strand	-
Start	1	End	4886
Name	OJ000330_34.0419.C34.o1.np	Method	AAT/NAP
Start	1	End	4886
GI	5852180	Score	432
Exons	1..365, 417..538, 1372..1430, 4783..4886		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	57499	Seq. ID	OJ000330_34.0419.C34
Gene No.	120329	Strand	-
Start	1	End	4886
Name	OJ000330_34.0419.C34.o2.gs	Method	GENSCAN
Start	2208	End	2436
GI	none	Score	.71
Exons	2208..2344, 2388..2436		

Seq. No.	57499	Seq. ID	OJ000330_34.0419.C34
Gene No.	120329	Strand	-
Start	1	End	4886
Name	OJ000330_34.0419.C34.o3.gs	Method	GENSCAN
Start	3397	End	4823
GI	none	Score	.47
Exons	3397..3947, 3983..4008, 4519..4823		

Seq. No.	57499	Seq. ID	OJ000330_34.0419.C34
Gene No.	120330	Strand	-
Start	4868	End	4952
Name	OJ000330_34.0419.C34.o2.gp	Method	AAT/GAP
Start	4868	End	4952
GI	LIB3477-003-P1-K1-E9	Score	125
Exons	4868..4952		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	57499	Seq. ID	OJ000330_34.0419.C34
Gene No.	120331	Strand	-
Start	5794	End	6675
Name	OJ000330_34.0419.C34.o2.np	Method	AAT/NAP
Start	5794	End	6675
GI	6721507	Score	163
Exons	5794..5872, 6079..6140, 6413..6675		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	57500	Seq. ID	OJ000330_34.0419.C35
Gene No.	120332	Strand	+
Start	1041	End	4621
Name	OJ000330_34.0419.C35.o1.np	Method	AAT/NAP
Start	1041	End	4621
GI	6983860	Score	134
Exons	1041..1179, 4528..4621		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	57500	Seq. ID	OJ000330_34.0419.C35
Gene No.	120332	Strand	+
Start	1041	End	4621

Name	OJ000330_34.0419.C35.o2.np	Method	AAT/NAP
Start	2104	End	3855
GI	6063554	Score	238
Exons	2104..2370, 2430..2651, 3014..3042, 3680..3855		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57500	Seq. ID	OJ000330_34.0419.C35
Gene No.	120332	Strand	+
Start	1041	End	4621
Name	OJ000330_34.0419.C35.o2.gp	Method	AAT/GAP
Start	2509	End	3238
GI	101153_1.R1084	Score	414
Exons	2509..2556, 3015..3238		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	57500	Seq. ID	OJ000330_34.0419.C35
Gene No.	120333	Strand	+
Start	6175	End	6372
Name	OJ000330_34.0419.C35.o3.np	Method	AAT/NAP
Start	6175	End	6372
GI	4680186	Score	172
Exons	6175..6372		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	57500	Seq. ID	OJ000330_34.0419.C35
Gene No.	120334	Strand	-
Start	245	End	549
Name	OJ000330_34.0419.C35.o1.gp	Method	AAT/GAP
Start	245	End	549
GI	61605_3.R1084	Score	383
Exons	245..549		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	57500	Seq. ID	OJ000330_34.0419.C35
Gene No.	120335	Strand	-
Start	6763	End	6868
Name	OJ000330_34.0419.C35.o4.np	Method	AAT/NAP
Start	6763	End	6868
GI	6907087	Score	128
Exons	6763..6868		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57501	Seq. ID	OJ000330_34.0419.C38
Gene No.	120336	Strand	+
Start	1	End	1149
Name	OJ000330_34.0419.C38.o1.gp	Method	AAT/GAP
Start	1	End	1149
GI	342_1.R1084	Score	2064
Exons	1..1149		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	57501	Seq. ID	OJ000330_34.0419.C38
Gene No.	120336	Strand	+
Start	1	End	1149
Name	OJ000330_34.0419.C38.o1.np	Method	AAT/NAP
Start	1	End	1149
GI	4680203	Score	1591
Exons	1..1149		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	57501	Seq. ID	OJ000330_34.0419.C38
Gene No.	120336	Strand	+
Start	1	End	1149
Name	OJ000330_34.0419.C38.o1.gs	Method	GENSCAN
Start	3	End	1019
GI	none	Score	.71
Exons	3..330, 786..1019		

Seq. No.	57501	Seq. ID	OJ000330_34.0419.C38
Gene No.	120336	Strand	+
Start	1	End	1149
Name	OJ000330_34.0419.C38.o2.tw	Method	TBLASTX:Wheat
Start	3	End	339
GI	none	Score	88
Exons	3..95, 78..329, 86..328, 88..339		

Seq. No.	57501	Seq. ID	OJ000330_34.0419.C38
Gene No.	120336	Strand	+
Start	1	End	1149
Name	OJ000330_34.0419.C38.o1.ts	Method	TBLASTX:Soybean
Start	260	End	689
GI	none	Score	102
Exons	260..343, 261..335, 336..398, 393..689, 447..671		

Seq. No.	57501	Seq. ID	OJ000330_34.0419.C38
Gene No.	120336	Strand	+
Start	1	End	1149
Name	OJ000330_34.0419.C38.o1.tc	Method	TBLASTX:Cress
Start	422	End	737
GI	none	Score	288
Exons	422..574, 429..737, 614..709		

Seq. No.	57501	Seq. ID	OJ000330_34.0419.C38
Gene No.	120336	Strand	+
Start	1	End	1149
Name	OJ000330_34.0419.C38.o1.tw	Method	TBLASTX:Wheat
Start	558	End	1026
GI	none	Score	72
Exons	558..611, 566..610, 612..716, 623..712, 730..816, 731..817, 797..1021, 817..1026, 820..1026		

Seq. No.	57501	Seq. ID	OJ000330_34.0419.C38
Gene No.	120336	Strand	+
Start	1	End	1149
Name	OJ000330_34.0419.C38.o1.tm	Method	TBLASTX:Maize
Start	603	End	1060
GI	none	Score	108

Exons	603..731, 615..737, 731..856, 737..856, 866..1060		
Seq. No.	57502	Seq. ID	OJ000330_34.0419.C39
Gene No.	120337	Strand	+
Start	1	End	927
Name	OJ000330_34.0419.C39.o1.np	Method	AAT/NAP
Start	1	End	924
GI	6983860	Score	1498
Exons	1..924		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		
Seq. No.	57502	Seq. ID	OJ000330_34.0419.C39
Gene No.	120337	Strand	+
Start	1	End	927
Name	OJ000330_34.0419.C39.o1.gs	Method	GENSCAN
Start	91	End	927
GI	none	Score	.5
Exons	91..678, 709..927		
Seq. No.	57502	Seq. ID	OJ000330_34.0419.C39
Gene No.	120338	Strand	+
Start	1632	End	2514
Name	OJ000330_34.0419.C39.o2.np	Method	AAT/NAP
Start	1632	End	2514
GI	5852178	Score	351
Exons	1632..1932, 1964..2065, 2417..2514		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		
Seq. No.	57502	Seq. ID	OJ000330_34.0419.C39
Gene No.	120339	Strand	-
Start	1649	End	2041
Name	OJ000330_34.0419.C39.o1.tw	Method	TBLASTX:Wheat
Start	1	End	546
GI	none	Score	626
Exons	1..546, 3..428, 486..545		
Seq. No.	57502	Seq. ID	OJ000330_34.0419.C39
Gene No.	120339	Strand	-
Start	1649	End	2041
Name	OJ000330_34.0419.C39.o1.tm	Method	TBLASTX:Maize
Start	99	End	684
GI	none	Score	229
Exons	99..254, 100..261, 259..684, 261..683		
Seq. No.	57502	Seq. ID	OJ000330_34.0419.C39
Gene No.	120339	Strand	-
Start	1649	End	2041
Name	OJ000330_34.0419.C39.o2.tw	Method	TBLASTX:Wheat
Start	546	End	876
GI	none	Score	343
Exons	546..857, 547..876		
Seq. No.	57502	Seq. ID	OJ000330_34.0419.C39
Gene No.	120339	Strand	-
Start	1649	End	2041
Name	OJ000330_34.0419.C39.o2.tm	Method	TBLASTX:Maize

Start	688	End	934
GI	none	Score	182
Exons	688..888, 720..899, 902..934, 902..934		

Seq. No.	57502	Seq. ID	OJ000330_34.0419.C39
Gene No.	120339	Strand	-
Start	1649	End	2041
Name	OJ000330_34.0419.C39.o2.gs	Method	GENSCAN
Start	1649	End	2041
GI	none	Score	.96
Exons	1649..2041		

Seq. No.	57503	Seq. ID	OJ000330_34.0419.C40
Gene No.	120340	Strand	-
Start	3522	End	5866
Name	OJ000330_34.0419.C40.o2.gs	Method	GENSCAN
Start	3522	End	5866
GI	none	Score	.79
Exons	3522..3695, 3950..4022, 4109..4479, 4597..5046, 5122..5601, 5792..5866		

Seq. No.	57503	Seq. ID	OJ000330_34.0419.C40
Gene No.	120341	Strand	
Start	5827	End	6204
Name	OJ000330_34.0419.C40.o1.tw	Method	TBLASTX:Wheat
Start	5827	End	6204
GI	none	Score	224
Exons	5827..6204, 6045..6203		

Seq. No.	57503	Seq. ID	OJ000330_34.0419.C40
Gene No.	120341	Strand	
Start	5827	End	6204
Name	OJ000330_34.0419.C40.o1.ts	Method	TBLASTX:Soybean
Start	6013	End	6195
GI	none	Score	193
Exons	6013..6195, 6013..6180, 6033..6185		

Seq. No.	57504	Seq. ID	OJ000330_34.0419.C41
Gene No.	120342	Strand	+
Start	1	End	316
Name	OJ000330_34.0419.C41.o1.np	Method	AAT/NAP
Start	1	End	316
GI	4680186	Score	329
Exons	1..21, 90..316		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	57504	Seq. ID	OJ000330_34.0419.C41
Gene No.	120343	Strand	-
Start	1	End	249
Name	OJ000330_34.0419.C41.o1.gp	Method	AAT/GAP
Start	1	End	249
GI	uC-osflcyp033a04b1	Score	470
Exons	1..249		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	57505	Seq. ID	OJ000330_34.0419.C42

Gene No.	120344	Strand	+
Start	373	End	1210
Name	OJ000330_34.0419.C42.o1.np	Method	AAT/NAP
Start	373	End	1210
GI	6907087	Score	596
Exons	373..751, 797..1210		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	57505	Seq. ID	OJ000330_34.0419.C42
Gene No.	120344	Strand	+
Start	373	End	1210
Name	OJ000330_34.0419.C42.o1.gs	Method	GENSCAN
Start	632	End	1188
GI	none	Score	.53
Exons	632..792, 931..1188		

Seq. No.	57506	Seq. ID	OJ000330_34.0419.C44
Gene No.	120345	Strand	-
Start	415	End	589
Name	OJ000330_34.0419.C44.o1.gp	Method	AAT/GAP
Start	415	End	589
GI	LIB3433-026-P1-K1-C1	Score	259
Exons	415..589		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	57507	Seq. ID	OJ000330_34.0419.C45
Gene No.	120346	Strand	-
Start	451	End	4373
Name	OJ000330_34.0419.C45.o4.tm	Method	TBLASTX:Maize
Start	409	End	591
GI	none	Score	126
Exons	409..591, 452..586		

Seq. No.	57507	Seq. ID	OJ000330_34.0419.C45
Gene No.	120346	Strand	-
Start	451	End	4373
Name	OJ000330_34.0419.C45.o1.np	Method	AAT/NAP
Start	451	End	4373
GI	7228457	Score	5924
Exons	451..2001, 2068..3217, 3340..4174, 4238..4373		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	57507	Seq. ID	OJ000330_34.0419.C45
Gene No.	120346	Strand	-
Start	451	End	4373
Name	OJ000330_34.0419.C45.o5.tw	Method	TBLASTX:Wheat
Start	460	End	1062
GI	none	Score	77
Exons	460..585, 464..586, 752..922, 771..1061, 778..1062, 779..1057		

Seq. No.	57507	Seq. ID	OJ000330_34.0419.C45
Gene No.	120346	Strand	-

Start	451	End	4373
Name	OJ000330_34.0419.C45.o3.tw	Method	TBLASTX:Wheat
Start	1063	End	1444
GI	none	Score	165
Exons	1063..1443, 1094..1342, 1388..1444		

Seq. No.	57507	Seq. ID	OJ000330_34.0419.C45
Gene No.	120346	Strand	-
Start	451	End	4373
Name	OJ000330_34.0419.C45.o2.tm	Method	TBLASTX:Maize
Start	1219	End	1581
GI	none	Score	196
Exons	1219..1266, 1258..1581, 1271..1552		

Seq. No.	57507	Seq. ID	OJ000330_34.0419.C45
Gene No.	120346	Strand	-
Start	451	End	4373
Name	OJ000330_34.0419.C45.o6.tw	Method	TBLASTX:Wheat
Start	1774	End	2086
GI	none	Score	66
Exons	1774..2034, 1910..2086		

Seq. No.	57507	Seq. ID	OJ000330_34.0419.C45
Gene No.	120346	Strand	-
Start	451	End	4373
Name	OJ000330_34.0419.C45.o2.ts	Method	TBLASTX:Soybean
Start	1834	End	2400
GI	5666795	Score	68
Exons	1834..2034, 2089..2226, 2302..2400		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	57507	Seq. ID	OJ000330_34.0419.C45
Gene No.	120346	Strand	-
Start	451	End	4373
Name	OJ000330_34.0419.C45.o4.tw	Method	TBLASTX:Wheat
Start	2089	End	2550
GI	none	Score	92
Exons	2089..2238, 2090..2227, 2092..2229, 2285..2458, 2299..2550, 2299..2523		

Seq. No.	57507	Seq. ID	OJ000330_34.0419.C45
Gene No.	120346	Strand	-
Start	451	End	4373
Name	OJ000330_34.0419.C45.o1.ts	Method	TBLASTX:Soybean
Start	3147	End	3517
GI	none	Score	84
Exons	3147..3194, 3194..3517, 3357..3500		

Seq. No.	57507	Seq. ID	OJ000330_34.0419.C45
Gene No.	120346	Strand	-
Start	451	End	4373
Name	OJ000330_34.0419.C45.o2.tw	Method	TBLASTX:Wheat
Start	3194	End	3595
GI	none	Score	250
Exons	3194..3595, 3195..3497, 3406..3594		

Seq. No.	57507	Seq. ID	OJ000330_34.0419.C45

Gene No.	120346	Strand	-
Start	451	End	4373
Name	OJ000330_34.0419.C45.o3.tm	Method	TBLASTX:Maize
Start	3269	End	3653
GI	none	Score	160
Exons	3269..3652, 3288..3509, 3436..3618, 3567..3653		

Seq. No.	57507	Seq. ID	OJ000330_34.0419.C45
Gene No.	120346	Strand	-
Start	451	End	4373
Name	OJ000330_34.0419.C45.o1.tm	Method	TBLASTX:Maize
Start	3680	End	4036
GI	none	Score	115
Exons	3680..3985, 3680..4036, 3690..4001		

Seq. No.	57507	Seq. ID	OJ000330_34.0419.C45
Gene No.	120346	Strand	-
Start	451	End	4373
Name	OJ000330_34.0419.C45.o1.tw	Method	TBLASTX:Wheat
Start	3704	End	4167
GI	none	Score	400
Exons	3704..4165, 3705..4166, 3724..4167		

Seq. No.	57507	Seq. ID	OJ000330_34.0419.C45
Gene No.	120346	Strand	-
Start	451	End	4373
Name	OJ000330_34.0419.C45.o3.ts	Method	TBLASTX:Soybean
Start	3761	End	4126
GI	none	Score	117
Exons	3761..3895, 3902..4126		

Seq. No.	57508	Seq. ID	OJ000330_34.0419.C46
Gene No.	120347	Strand	-
Start	1	End	2130
Name	OJ000330_34.0419.C46.o1.np	Method	AAT/NAP
Start	1	End	2130
GI	5042454	Score	2391
Exons	1..1501, 1557..1667, 1995..2130		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	57508	Seq. ID	OJ000330_34.0419.C46
Gene No.	120347	Strand	-
Start	1	End	2130
Name	OJ000330_34.0419.C46.o1.gs	Method	GENSCAN
Start	97	End	2072
GI	none	Score	.85
Exons	97..1501, 1557..1667, 1995..2072		

Seq. No.	57508	Seq. ID	OJ000330_34.0419.C46
Gene No.	120347	Strand	-
Start	1	End	2130
Name	OJ000330_34.0419.C46.o1.tw	Method	TBLASTX:Wheat
Start	437	End	829
GI	none	Score	82
Exons	437..694, 549..710, 677..775, 678..758, 782..829		

Seq. No.	57508	Seq. ID	OJ000330_34.0419.C46

Gene No.	120347	Strand	-
Start	1	End	2130
Name	OJ000330_34.0419.C46.o1.tm	Method	TBLASTX:Maize
Start	539	End	824
GI	none	Score	90
Exons	539..787, 540..824		

Seq. No.	57509	Seq. ID	OJ000330_34.0419.C47
Gene No.	120348	Strand	-
Start	1242	End	2551
Name	OJ000330_34.0419.C47.o1.gs	Method	GENSCAN
Start	1242	End	2551
GI	none	Score	.44
Exons	1242..1337, 2477..2551		

Seq. No.	57510	Seq. ID	OJ000330_34.0419.C48
Gene No.	120349	Strand	+
Start	1	End	1331
Name	OJ000330_34.0419.C48.o1.np	Method	AAT/NAP
Start	1	End	802
GI	100487	Score	65
Exons	1..32, 572..802		
GI Descrip.	hypothetical protein Tnp1 - garden snapdragon transposable element Tam1 gi|16057|emb|CAA40554.1| (X57297) TNP1 [Antirrhinum majus]		

Seq. No.	57510	Seq. ID	OJ000330_34.0419.C48
Gene No.	120349	Strand	+
Start	1	End	1331
Name	OJ000330_34.0419.C48.o1.gs	Method	GENSCAN
Start	323	End	1239
GI	none	Score	.85
Exons	323..471, 570..718, 1174..1239		

Seq. No.	57510	Seq. ID	OJ000330_34.0419.C48
Gene No.	120349	Strand	+
Start	1	End	1331
Name	OJ000330_34.0419.C48.o1.tm	Method	TBLASTX:Maize
Start	569	End	790
GI	none	Score	277
Exons	569..790, 584..766, 589..777		

Seq. No.	57510	Seq. ID	OJ000330_34.0419.C48
Gene No.	120349	Strand	+
Start	1	End	1331
Name	OJ000330_34.0419.C48.o1.gp	Method	AAT/GAP
Start	815	End	1331
GI	1411_1.R1084	Score	184
Exons	815..890, 1174..1245, 1272..1331		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 2.0e-31 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	57511	Seq. ID	OJ000310_34.0419.C5
Gene No.	120350	Strand	-
Start	345	End	737
Name	OJ000310_34.0419.C5.o1.gs	Method	GENSCAN
Start	345	End	644

GI	none	Score	.51
Exons	345..644		

Seq. No.	57511	Seq. ID	OJ000310_34.0419.C5
Gene No.	120350	Strand	-
Start	345	End	737
Name	OJ000310_34.0419.C5.o1.np	Method	AAT/NAP
Start	348	End	737
GI	6630685	Score	365
Exons	348..737		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	57511	Seq. ID	OJ000310_34.0419.C5
Gene No.	120350	Strand	-
Start	345	End	737
Name	OJ000310_34.0419.C5.o1.tm	Method	TBLASTX:Maize
Start	366	End	728
GI	none	Score	162
Exons	366..728, 397..720		

Seq. No.	57512	Seq. ID	OJ000310_34.0419.C12
Gene No.	120351	Strand	-
Start	1	End	736
Name	OJ000310_34.0419.C12.o1.np	Method	AAT/NAP
Start	1	End	736
GI	5739323	Score	182
Exons	1..353, 673..736		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		

Seq. No.	57513	Seq. ID	OJ000310_34.0419.C13
Gene No.	120352	Strand	+
Start	1	End	1027
Name	OJ000310_34.0419.C13.o1.np	Method	AAT/NAP
Start	1	End	1027
GI	7523494	Score	78
Exons	1..141, 181..274, 373..459, 974..1027		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	57513	Seq. ID	OJ000310_34.0419.C13
Gene No.	120353	Strand	-
Start	13	End	273
Name	OJ000310_34.0419.C13.o1.gs	Method	GENSCAN
Start	13	End	273
GI	none	Score	.51
Exons	13..273		

Seq. No.	57514	Seq. ID	OJ000310_34.0419.C16
Gene No.	120354	Strand	-
Start	231	End	714
Name	OJ000310_34.0419.C16.o1.np	Method	AAT/NAP
Start	231	End	714
GI	6598481	Score	143
Exons	231..489, 686..714		
GI Descrip.	(AC005693) cycloartenol synthase [Arabidopsis thaliana]		

Seq. No.	57514	Seq. ID	OJ000310_34.0419.C16
Gene No.	120354	Strand	-
Start	231	End	714
Name	OJ000310_34.0419.C16.o1.tc	Method	TBLASTX:Cress
Start	232	End	426
GI	none	Score	93
Exons	232..426, 248..424		

Seq. No.	57515	Seq. ID	OJ000310_34.0419.C17
Gene No.	120355	Strand	+
Start	47	End	1339
Name	OJ000310_34.0419.C17.o1.gs	Method	GENSCAN
Start	47	End	1339
GI	none	Score	.71
Exons	47..217, 1188..1339		

Seq. No.	57516	Seq. ID	OJ000310_34.0419.C18
Gene No.	120356	Strand	+
Start	332	End	559
Name	OJ000310_34.0419.C18.o1.gs	Method	GENSCAN
Start	332	End	559
GI	none	Score	.77
Exons	332..559		

Seq. No.	57517	Seq. ID	OJ000350_35.0419.C1
Gene No.	120357	Strand	+
Start	108	End	495
Name	OJ000350_35.0419.C1.o1.gp	Method	AAT/GAP
Start	108	End	495
GI	77182_1.R1084	Score	589
Exons	108..495		
GI Descrip.	'4544372/gb|AAD22283.1|AC006920_7 6.0e-26 (AC006920) putative reverse transcriptase [Arabidopsis thaliana]'		

Seq. No.	57517	Seq. ID	OJ000350_35.0419.C1
Gene No.	120358	Strand	-
Start	5385	End	8844
Name	OJ000350_35.0419.C1.o3.ts	Method	TBLASTX:Soybean
Start	4245	End	4490
GI	none	Score	48
Exons	4245..4490, 4249..4290, 4360..4446		

Seq. No.	57517	Seq. ID	OJ000350_35.0419.C1
Gene No.	120358	Strand	-
Start	5385	End	8844
Name	OJ000350_35.0419.C1.o2.tw	Method	TBLASTX:Wheat
Start	4266	End	7685
GI	none	Score	52
Exons	4266..4682, 7593..7685		

Seq. No.	57517	Seq. ID	OJ000350_35.0419.C1
Gene No.	120358	Strand	-
Start	5385	End	8844
Name	OJ000350_35:0419.C1.o4.ts	Method	TBLASTX:Soybean
Start	4833	End	5228
GI	none	Score	70
Exons	4833..5228, 4933..5127		

Seq. No.	57517	Seq. ID	OJ000350_35.0419.C1
Gene No.	120358	Strand	-
Start	5385	End	8844
Name	OJ000350_35.0419.C1.o3.tm	Method	TBLASTX:Maize
Start	5082	End	5435
GI	none	Score	197
Exons	5082..5435		

Seq. No.	57517	Seq. ID	OJ000350_35.0419.C1
Gene No.	120358	Strand	-
Start	5385	End	8844
Name	OJ000350_35.0419.C1.o1.np	Method	AAT/NAP
Start	5385	End	8705
GI	7248394	Score	1898
Exons	5385..5671, 7106..7198, 7636..8705		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	57517	Seq. ID	OJ000350_35.0419.C1
Gene No.	120358	Strand	-
Start	5385	End	8844
Name	OJ000350_35.0419.C1.o2.ts	Method	TBLASTX:Soybean
Start	7383	End	7801
GI	none	Score	57
Exons	7383..7454, 7387..7443, 7457..7561, 7561..7626, 7562..7615, 7663..7800, 7663..7800, 7667..7801, 7685..7801		

Seq. No.	57517	Seq. ID	OJ000350_35.0419.C1
Gene No.	120358	Strand	-
Start	5385	End	8844
Name	OJ000350_35.0419.C1.o2.gp	Method	AAT/GAP
Start	7664	End	8380
GI	5455576	Score	1191
Exons	7664..8380		
GI Descrip.	4544372/gb|AAD22283.1|AC006920_7 6.0e-26 (AC006920) putative reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	57517	Seq. ID	OJ000350_35.0419.C1
Gene No.	120358	Strand	-
Start	5385	End	8844
Name	OJ000350_35.0419.C1.o1.ts	Method	TBLASTX:Soybean
Start	7954	End	8421
GI	none	Score	130
Exons	7954..8139, 8140..8421, 8183..8380		

Seq. No.	57517	Seq. ID	OJ000350_35.0419.C1
Gene No.	120358	Strand	-
Start	5385	End	8844
Name	OJ000350_35.0419.C1.o3.tw	Method	TBLASTX:Wheat
Start	8038	End	8418
GI	none	Score	60
Exons	8038..8139, 8116..8418, 8275..8364		

Seq. No.	57517	Seq. ID	OJ000350_35.0419.C1
Gene No.	120358	Strand	-
Start	5385	End	8844
Name	OJ000350_35.0419.C1.o1.tm	Method	TBLASTX:Maize
Start	8107	End	8568
GI	none	Score	297
Exons	8107..8568, 8108..8449, 8504..8566		

Seq. No.	57517	Seq. ID	OJ000350_35.0419.C1
Gene No.	120358	Strand	-
Start	5385	End	8844
Name	OJ000350_35.0419.C1.o1.tw	Method	TBLASTX:Wheat
Start	8435	End	8844
GI	none	Score	161
Exons	8435..8836, 8436..8726, 8437..8844, 8504..8827		

Seq. No.	57517	Seq. ID	OJ000350_35.0419.C1
Gene No.	120358	Strand	-
Start	5385	End	8844
Name	OJ000350_35.0419.C1.o2.tm	Method	TBLASTX:Maize
Start	8569	End	8784
GI	none	Score	181
Exons	8569..8784, 8570..8782		

Seq. No.	57518	Seq. ID	OJ000350_35.0419.C2
Gene No.	120359	Strand	+
Start	1	End	638
Name	OJ000350_35.0419.C2.o1.np	Method	AAT/NAP
Start	1	End	638
GI	7340881	Score	93
Exons	1..53, 352..500, 606..638		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	57518	Seq. ID	OJ000350_35.0419.C2
Gene No.	120360	Strand	+
Start	713	End	1243
Name	OJ000350_35.0419.C2.o1.gs	Method	GENSCAN
Start	713	End	1243
GI	none	Score	.69
Exons	713..1243		

Seq. No.	57518	Seq. ID	OJ000350_35.0419.C2
Gene No.	120361	Strand	+
Start	1466	End	10495
Name	OJ000350_35.0419.C2.o2.gs	Method	GENSCAN
Start	1466	End	3852
GI	none	Score	.67
Exons	1466..1952, 3812..3852		

Seq. No.	57518	Seq. ID	OJ000350_35.0419.C2
Gene No.	120361	Strand	+
Start	1466	End	10495
Name	OJ000350_35.0419.C2.o2.np	Method	AAT/NAP
Start	1568	End	9943
GI	7248394	Score	3204
Exons	1568..2216, 2260..2371, 6256..6425, 6696..6751, 8142..9155, 9564..9943		

GI Descrip. (AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)

Seq. No.	57518	Seq. ID	OJ000350_35.0419.C2
Gene No.	120361	Strand	+
Start	1466	End	10495
Name	OJ000350_35.0419.C2.o1.gp	Method	AAT/GAP
Start	2318	End	2621
GI	61605_3.R1084	Score	373
Exons	2318..2621		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	57518	Seq. ID	OJ000350_35.0419.C2
Gene No.	120361	Strand	+
Start	1466	End	10495
Name	OJ000350_35.0419.C2.o3.gs	Method	GENSCAN
Start	5002	End	10437
GI	none	Score	.63
Exons	5002..5225, 6469..6620, 6696..6768, 7027..7070, 7593..7637, 8137..8577, 8617..8884, 10129..10348, 10384..10437		

Seq. No.	57518	Seq. ID	OJ000350_35.0419.C2
Gene No.	120361	Strand	+
Start	1466	End	10495
Name	OJ000350_35.0419.C2.o4.ts	Method	TBLASTX:Soybean
Start	6395	End	6751
GI	none	Score	131
Exons	6395..6613, 6629..6751		

Seq. No.	57518	Seq. ID	OJ000350_35.0419.C2
Gene No.	120361	Strand	+
Start	1466	End	10495
Name	OJ000350_35.0419.C2.o1.tw	Method	TBLASTX:Wheat
Start	6557	End	8354
GI	none	Score	275
Exons	6557..6751, 6577..6750, 8121..8354, 8135..8281, 8136..8303		

Seq. No.	57518	Seq. ID	OJ000350_35.0419.C2
Gene No.	120361	Strand	+
Start	1466	End	10495
Name	OJ000350_35.0419.C2.o1.tm	Method	TBLASTX:Maize
Start	8223	End	8684
GI	none	Score	596
Exons	8223..8684, 8225..8281, 8342..8683		

Seq. No.	57518	Seq. ID	OJ000350_35.0419.C2
Gene No.	120361	Strand	+
Start	1466	End	10495
Name	OJ000350_35.0419.C2.o1.ts	Method	TBLASTX:Soybean
Start	8370	End	8837
GI	none	Score	225
Exons	8370..8651, 8405..8608, 8652..8837		